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INTRODUCTION.

The present volume, the seventh of the series issued by the Batavia Observatory contains magnetical observations only.

I have thought it advisable in the first place to publish and discuss the magnetical records till the end of the year 1885, it being my intention in future to issue yearly a volume containing both meteorological and magnetical records.

The volume containing meteorological data from 1885 till 1885 and the discussion of the twenty-yearly series will therefore be delayed for an indefinite time: the copy is ready for the press but the printing of this large quantity of records will take a considerable time, the government printing office being much pressed with other business.

Magnetograph. Adie's magnetograph has been in good working order since April 1883: the steel wire of the bifilar magnetometer has not been superseded since December 1879: in January 1884 the silk suspension fibre of the unifilar Declinometer caused some irregularities in the records and finally broke down.

The magnet of the balance-magnetometer was superseded by another one in February 1885.

Whenever some records were lost, it was due to instrumental causes or to deficiency of gas-supply; the photographic process proved to be unobjectionable even in this wet climate, no records have been lost from this cause and, since the gelatinobromide paper has been used, it has been possible to put sensitive papers upon the recording cylinders every two days.

At present, September 1886, sheets are made use of which have been kept about two years and still give good results.

Value of one millimetre. The value of one millimetre for the Declinometer is 1'.14.

The sensibility of the bifilar magnetometer has remained sensibly the same since the beginning of 1882 till the present time.

For the whole period October 1883 till December 1885 I have been able to adopt the value 474×10^{-7} c. g. s. for the reduction of the hourly readings, this value being somewhat larger than the constant adopted for the period July 1882 till September 1883, because the absolute value of the Horizontal Force has since been increasing.

From eight determinations from 26 October 1883 till 16 January 1884, M^R. POORTMAN deduced the value 470×10^{-7} .

The following determinations were made by D^R. FIGEE.

24 November . . .	1884	1 ^{mm} . = 476×10^{-7} c. g. s.
27 November . . .	1884	1 ^{mm} . = 475×10^{-7} »
30 December. . . .	1884	1 ^{mm} . = 477×10^{-7} »
12 March.	1885	1 ^{mm} . = 474×10^{-7} »
30 September . . .	1885	1 ^{mm} . = 475×10^{-7} »

The Vertical Force magnet has not given such satisfactory results, but, owing to discontinuity of records, loss of magnetism and other causes, this instrument has had to be frequently readjusted

In September 1885 I had reduced the sensibility, which till then had been about 500×10^{-7} according to the prescripts of the Polar Committee, to 791×10^{-7} . This value, computed from a large series of determinations made by M^R. POORTMAN, has been adopted for the whole period September 1885 till November 1884.

About this time D^R. FIGEE increased the sensibility, but finding, like myself, that the position showed less stability than was desirable, he again reduced it, but, after some trials in February 1885 finally took the magnet out and superseded it by a new one, which since has been giving better results.

However having been freshly magnetised, the magnet has been steadily loosing its magnetism and the reduction value therefore increasing continuously.

The values adopted are:

from	September 1885 till 19 November 1884	$1^{mm.} = 719 \times 10^{-7}$	c. g. s.
»	20 November 1884 » 5 December 1884	$1^{mm.} = 805 \times 10^{-7}$	»
»	6 December 1884 » 19 December 1884	$1^{mm.} = 447 \times 10^{-7}$	»
»	20 December 1884 » 1 February 1885	$1^{mm.} = 680 \times 10^{-7}$	»
	February and March. 1885	$1^{mm.} = 455 \times 10^{-7}$	»
	April and May 1885	$1^{mm.} = 505 \times 10^{-7}$	»
	June and July 1885	$1^{mm.} = 569 \times 10^{-7}$	»
	August and September. 1885	$1^{mm.} = 569 \times 10^{-7}$	»
	October, November and December 1885	$1^{mm.} = 615 \times 10^{-7}$	»

These values having been well checked by careful determinations, all the printed records reduced to absolute value are, in my opinion, unobjectionable for enquiries in which the variations of the Vertical Force are required i. e. for diurnal variation and Disturbances.

Absolute determinations. The absolute values of the monthly means are not all trustworthy in the same degree.

The absolute determinations of declination have suffered interruption from October 1885, when I left the observatory, till September 1884. The determinations of the Horizontal Force were resumed by M^R. POORTMAN in April 1884, but the determinations of the dip proved to be of little value since October 1885, probably due to an early deterioration of the axes of the dip-needle which was employed: I have therefore preferred to adopt the same value for the zero-line during the whole period from October 1885 till August 1884.

This value has been adopted as the most probable but still there remains some incertitude which has made it useless to take into account the continuous shifting of the zero-line by loss of magnetism.

As has been stated, the sensibility of the balance during that period was not very great and, the magnet not having been magnetised since the commencement of 1877, the shifting due to loss of magnetism cannot effect the monthly means to a considerable degree.

Table I gives a record of the values adopted for the zero-line: if checked by weekly determinations they are marked with *w. d.* The letter R. implies that the instrument has been readjusted. From this Table it appears that, for the purpose of determining variations of long duration e. g. annual variation, it will be safe not to make use of the monthly means before the commencement of the year 1885. The monthly means have been tabulated in Table 2.

Secular variation. For the purpose of deducing the secular variation I think all the inserted values of the Declination may be taken into account. They show a well defined decrease of the declination during the years 1884 and 1885 at a rate of very nearly two minutes per year. Up till July 1875, when the series of observations made by D^R. BERGSMA was stopped, the Declination has been steadily increasing. The interruption of the observations from December 1882 till April 1885 is the more to be regretted because the monthly means for July—November 1882 do not bear evidence, as far as can be made out, of a decreasing Declination and therefore there is some reason to think that the turning point has been somewhere between July 1882 and March 1885.

At Bombay the easterly Declination reached its maximum in 1879 and at the same time the Horizontal Force was observed by M^R. CHAMBERS to obtain its highest value.

At Batavia evidence of the same phenomenon is afforded by the monthly means of Table 2. The weekly absolute determinations during 1882 and 1885 till October have been made by myself and, as has been stated, in April 1884 M^R. POORTMAN resumed the observations.

A careful revision of the documents has not given ground to ascribe the small values of 1882 with respect to those of 1884 to any error. On the contrary, the moment of inertia, which I have made use of and for which I have taken the same value as M^R. BERGSMA, has been proved to be rather too large and throughout the whole period 1882—1885 the observations have been made in the same room with the same unifilar and needle. We are therefore compelled to adopt the latter half of the year 1885, or the commencement of 1884 as the most probable epoche for the reversion of the secular variation of the Horizontal Force.

From 1884 till 1885 the decrease has been 0.00012 per year.

The Vertical Force has continued increasing as in former years and the Inclination, owing to the cooperating causes of decreasing Horizontal and increasing Vertical Force show a progressive value at a rate of about 7.5 per year.

The results of a comparison between the values of the Inclination obtained with different needles and that determined by means of an Erd-inductor will be published next year.

Method of reduction. The method adopted in reducing the hourly tabulations has been the same as explained in the supplement to volume VI. It may be remembered here that the following operations were applied.

1. Table A. Hourly observations. Reduction to absolute measure: minutes of arc for Declination; centimetre, gramme, second for Horizontal and Vertical Force.
2. Table B. Not printed. Primordial values. Twenty-four hourly means for every hour.
3. Table C. Not printed. Differences, obtained by subtracting the records of Table B. from those tabulated in Table A.

These Differences summed up, regardless of signs, give, for every day, a quantity Σ which is supposed to be, in some degree, a measure of diurnal variation and certainly can be regarded as such in days of no extraordinary disturbance i. e. when the Disturbances are small with respect to the departures due to diurnal variation. From this Table C. the diurnal variation has been deduced for every bimonthly period, after rejection of days which were apparently disturbed. By calculating the ratio of the quantity Σ to the average value Δ of Σ for the two months, a relative measure R has been obtained of the diurnal variation for every day.

The diurnal variation for every day has been calculated by multiplication of the average diurnal

variation by the ratio R ; whenever the ratio's R differed 0.5 or more during a consecutive period of 24 hours, the quantities R have been calculated from noon to noon by linear interpolation.

In Tables 20 till 25 the quantities R are tabulated: the dates marked with an asterisk were omitted in computing the average diurnal variation.

4. Table D. Deviations. By subtracting the diurnal variations from the corresponding Differences, Deviations have been obtained, printed in extenso in Table D.

The diurnal variations subtracted from the Differences being deduced from the average variation for two months, the sum of positive Deviations should be exactly equal to the amount of negative departures, whenever the mean value of R for that period is equal to unity. However in consequence of some days having been rejected in calculating the average diurnal variation, this condition has not always been fulfilled.

Owing to this equality of positive and negative departures the small Deviations are to be regarded as actually having occurred when no large disturbances are observed in the vicinity.

In the latter case they are to be considered as a mere reaction or compensation to those larger disturbances, inseparable from the method of deduction.

5. Disturbances. General SABINE having found that the larger Deviations were distributed in a varying proportion according to the time of day, Prof. BUYS-BALLOT has suggested as the best way to determine the separating value or limit of Disturbance to tabulate the Deviations in the manner as is illustrated in Table 33—35, in order to make the observations indicate themselves the limit where this diurnal inequality of Deviations commences.

It is evident that in this way the maximum effect is obtained. To make the differences come out more strikingly the two groups mentioned in the Tables have been formed by addition.

For the Horizontal Force e. g. it was evident that the larger positive deviations were paramount from midnight till 8 a. m., the negative deviations during the other hours of the day. Therefore the tabulated numbers have been summed up for both daytimes and the differences between positive and negative occurrences inserted in the two last horizontal columns but one. The differences in the last column have been obtained by subtraction in order to show the total result of this investigation.

For Horizontal and Vertical Force the limit is strongly marked, the differences showing different signs for all deviations larger than 11. For both Forces therefore a separating value has been adopted equal to 0.00011 c. g. s. and all Deviations equal to that quantity and larger have been called Disturbances. The degree of disturbance is however not exactly the same for both elements, the Horizontal Force showing 4305 Disturbances out of 27058 deviations, the Vertical Force 5926 out of 26106 hourly tabulations, giving for the ratios of the observed Disturbances to the whole number of observations for the former 6.28, for the latter 6.65.

As might have been expected, the result is not so well marked in the case of Declination, this element showing a remarkable degree of stability at Batavia. The value adopted as limit of disturbances has been 1'.5 which fully agrees with the value adopted by D^R. BERGSMAN 1'.44 and by M^R. CHAMBERS for Bombay 1'.40.

This value shows that, out of 27185 observations only 1514 have had to be regarded as disturbances, ore one Disturbance in 17.96 tabulations.

It has to be remarked that the connection between Disturbances and local time, on which the method rests, exists only for local Disturbances and therefore all Disturbances of cosmical origine and

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INTRODUCTION.



occurring at the same absolute time over the whole earth ought to be separated from the total mass of disturbed observations, when a diurnal variation is sought for. Only for a very long period these cosmical Disturbances can be considered to be equally distributed over the hours of day.

The other Tables will be understood without any further comment than their headings afford. I think it advisable to refrain from giving any more results, the period of observation being too short to allow of further discussion.

It remains to be remarked that the total number of Disturbances is not exactly the same in the Tables 56 and 57 as those in the Tables 53, 54 and 55, as should have been the case. This difference is due to the fact that for the latter all the tabulations have been taken into account, including the days in which the observations were incomplete, whereas for the former only complete days have been made use of in order to avoid the difficulty of having to divide by different numbers when computing the daily average values. The large value of one negative Disturbance of Declination tabulated in Table 42 at 6 p. m. is due to an extraordinary Disturbance at that hour in November 1882. The diurnal variation caused by Disturbances in the same Table has been obtained by taking the differences between the aggregate positive and negative Disturbances and dividing those differences by the number of days of observation.

BATAVIA, September 1886.

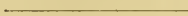
VAN DER STOK.



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MAGNETICAL OBSERVATIONS.

BATAVIA.

1883, 1884 and 1885.

EASTERLY DECLINATION. A.

HOURLY OBSERVATIONS. 1° 50' + THE NUMBERS IN THE TABLE.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
S E P T E M B E R.	1	6.9	6.9	6.9	6.8	6.8	6.8	6.6	5.4	3.9	3.7	5.5	7.1	—
	2	6.7	6.8	6.7	6.7	6.8	7.3	7.0	4.9	3.9	4.1	4.4	5.2	—
	3	6.6	6.8	6.8	7.3	7.1	7.8	8.3	6.4	5.0	5.0	5.7	6.5	—
	4	6.5	6.4	6.6	6.4	6.2	7.1	7.3	5.9	5.0	4.3	4.8	5.5	—
	5	6.7	7.1	7.0	6.9	6.8	7.3	7.1	5.4	3.7	3.2	3.4	4.1	—
	6	5.9	5.9	5.4	5.7	6.1	7.0	7.1	5.3	2.6	1.4	3.2	4.1	—
	7	5.8	5.9	6.1	6.4	6.5	7.1	6.6	4.9	3.4	2.6	2.2	2.0	—
	8	6.1	6.6	6.6	7.0	7.1	7.8	7.6	4.9	3.3	3.2	3.5	3.4	—
	9	6.7	6.9	7.0	6.8	7.0	7.5	7.4	6.0	4.4	3.7	3.6	4.3	—
	10	6.4	6.4	6.6	6.7	6.7	7.1	6.5	4.9	4.0	3.6	3.6	4.2	—
	11	6.5	6.5	6.7	6.6	6.7	7.1	6.1	4.4	3.0	2.8	3.7	4.3	—
	12	6.6	6.7	7.1	6.8	6.8	7.1	6.5	4.3	3.1	3.0	4.0	5.5	—
	13	6.5	6.5	6.6	6.6	6.7	7.0	6.6	4.9	3.7	2.3	3.7	4.4	—
	14	6.4	6.4	6.7	6.6	6.7	7.1	6.0	3.9	2.7	2.7	4.2	5.4	—
	15	7.0	7.1	6.9	7.3	7.1	8.1	6.8	3.7	2.0	1.4	1.7	3.7	—
	16	6.9	7.1	7.1	7.1	7.5	8.3	8.3	6.1	4.4	2.8	2.8	5.7	—
	17	6.4	7.0	8.2	8.8	9.2	8.2	6.8	4.1	6.4	5.5	6.2	6.1	—
	18	6.6	7.0	7.1	7.1	7.1	7.1	5.9	4.2	3.6	3.7	4.8	5.9	—
	19	6.6	7.0	7.0	7.0	7.1	7.7	6.8	4.9	3.4	2.7	3.6	5.5	—
	20	6.7	6.8	6.7	6.6	8.1	7.5	6.8	4.5	2.7	2.7	3.7	5.0	—
	21	7.0	7.0	7.5	7.1	7.0	7.1	7.1	5.8	4.5	5.0	6.2	7.1	—
	22	7.0	7.1	7.1	6.8	6.4	6.0	4.9	2.8	3.2	4.3	5.1	6.0	—
	23	7.0	7.0	7.0	6.7	6.6	6.4	5.7	3.7	3.7	4.3	5.5	6.7	—
	24	6.8	6.9	6.8	6.6	6.1	6.0	5.7	4.3	3.7	4.2	4.9	6.4	—
	25	6.5	6.8	6.4	6.8	6.4	6.5	6.1	3.9	3.2	3.5	3.9	5.5	—
	26	5.9	6.0	6.2	6.2	6.4	6.4	5.9	4.0	3.9	4.5	5.5	6.0	—
	27	6.4	6.6	7.1	6.5	6.5	6.4	5.9	3.9	3.3	4.3	5.9	7.1	—
	28	6.4	6.5	6.5	6.4	6.4	6.7	5.7	3.7	2.7	3.9	5.7	7.0	—
	29	6.4	6.2	6.4	6.5	6.1	6.2	4.9	2.0	0.5	1.2	2.6	5.7	—
	30	6.4	6.4	6.2	6.5	6.7	7.3	5.4	2.8	1.8	2.7	4.2	6.5	—
Hourly Means.		6.5	6.7	6.8	6.8	6.8	7.1	6.5	4.5	3.5	3.4	4.3	5.4	—
Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
S E P T E M B E R.	1	7.1	7.4	7.5	7.6	7.6	7.0	6.5	6.2	6.2	6.1	6.2	6.6	6.4
	2	6.1	6.7	7.1	7.1	7.0	6.5	6.4	6.0	5.9	5.9	6.2	6.1	6.1
	3	7.7	8.2	8.4	8.1	7.4	6.8	6.6	6.6	6.2	6.1	6.2	6.4	6.9
	4	6.0	7.1	8.3	8.3	7.8	7.0	7.1	7.0	6.8	6.7	6.8	6.7	6.5
	5	4.9	7.1	8.1	8.2	8.1	7.6	6.6	6.1	6.1	5.9	5.8	5.2	6.1
	6	4.5	5.5	6.8	7.8	7.4	7.4	7.3	6.8	6.6	6.0	5.5	5.8	5.7
	7	2.4	4.8	6.2	7.0	7.0	6.8	6.6	6.2	5.9	5.9	5.5	5.9	5.4
	8	3.9	5.0	6.6	7.3	7.5	7.0	6.6	6.6	6.5	6.4	6.5	6.4	6.0
	9	5.3	6.8	7.5	7.8	6.9	6.1	5.8	5.8	5.7	5.7	5.9	6.0	6.1
	10	5.1	6.5	8.0	8.0	7.5	6.7	6.6	6.4	6.0	6.0	6.2	6.2	6.0
	11	4.5	5.5	7.6	8.3	7.7	6.6	6.4	6.1	6.0	6.1	6.4	6.4	5.9
	12	7.3	8.1	8.2	7.7	7.4	6.7	6.5	6.2	6.1	6.2	6.4	6.4	6.2
	13	5.5	7.0	8.0	8.1	7.5	6.8	6.7	6.2	6.1	5.7	4.9	6.0	6.1
	14	7.3	8.3	8.4	8.8	9.0	8.0	7.7	7.3	7.0	7.0	7.0	7.0	6.5
	15	5.8	7.4	8.3	8.3	8.0	7.3	7.0	6.7	6.6	6.6	6.6	6.8	6.2
	16	11.4	7.3	7.1	7.1	9.6	9.1	8.0	6.7	5.0	4.9	6.0	7.0	6.8
	17	7.7	8.9	8.7	9.1	8.3	8.2	8.3	7.1	6.8	6.4	6.7	6.6	7.3
	18	6.5	6.8	8.1	8.2	8.0	7.1	6.8	6.7	6.5	6.5	5.5	6.5	6.5
	19	6.6	7.3	9.1	9.0	8.3	7.1	6.7	6.7	6.1	6.2	6.4	6.6	6.4
	20	6.0	6.6	7.3	7.7	7.5	6.7	6.4	6.4	6.4	6.5	6.2	6.8	6.1
	21	6.9	7.1	7.5	7.1	6.8	6.2	6.4	6.6	6.4	6.4	6.5	6.6	6.6
	22	6.4	7.3	7.6	7.1	7.0	6.7	6.6	6.5	6.5	6.2	6.4	6.6	6.1
	23	7.5	8.2	7.6	6.8	6.6	6.4	6.5	6.1	6.4	6.6	6.6	6.7	6.4
	24	6.9	6.9	6.8	6.6	6.4	6.2	5.9	5.9	5.8	5.9	6.2	6.1	6.0
	25	6.6	7.1	7.3	7.1	6.4	6.0	5.7	6.0	6.0	6.0	5.5	6.1	5.8
	26	7.0	6.8	7.1	6.7	6.8	6.4	6.2	5.9	5.9	5.9	6.0	6.2	6.0
	27	7.8	8.3	8.3	7.8	6.7	6.0	6.5	6.0	6.1	6.1	6.4	6.2	6.3
	28	8.3	8.8	8.1	7.4	7.3	6.5	6.5	6.8	5.9	6.0	6.2	6.2	6.4
	29	6.8	7.1	7.6	6.9	6.7	6.0	6.0	5.7	5.5	5.4	5.5	6.4	5.4
	30	7.3	7.7	7.4	6.7	6.0	6.0	6.1	6.1	6.0	6.1	6.0	6.5	5.8
Hourly Means.		6.4	7.1	7.7	7.7	7.4	6.8	6.6	6.4	6.2	6.1	6.1	6.4	6.20

HORIZONTAL FORCE. A.
HOURLY OBSERVATIONS. 0.36800 + THE NUMBERS IN THE TABLE.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
S E P T E M B E R.	1	314	315	318	320	323	326	323	326	334	345	352	351	—
	2	315	318	319	322	326	323	322	317	354	361	381	381	—
	3	312	309	309	316	321	321	330	351	356	365	376	387	—
	4	306	302	301	304	307	321	336	360	366	375	385	378	—
	5	308	309	310	313	316	319	323	331	338	340	340	338	—
	6	299	295	304	292	295	298	302	314	324	322	323	315	—
	7	276	290	291	296	298	305	318	329	337	344	349	333	—
	8	299	294	296	299	308	311	327	351	362	368	365	352	—
	9	300	301	307	314	308	318	334	348	366	380	382	376	—
	10	303	306	308	313	310	320	325	347	354	377	375	375	—
	11	299	309	310	311	313	317	331	351	365	370	367	367	—
	12	310	310	312	315	316	319	326	344	358	374	375	362	—
	13	303	305	308	311	311	315	317	357	368	382	368	374	—
	14	286	288	290	297	298	297	314	328	349	360	364	358	—
	15	303	301	302	304	306	302	320	344	368	384	392	387	—
	16	297	298	301	304	306	313	327	349	369	427	400	353	—
	17	182	189	175	192	207	246	254	259	213	193	183	173	—
	18	210	211	214	216	223	227	241	258	278	289	292	287	—
	19	267	263	277	266	272	271	279	291	310	312	323	316	—
	20	244	249	247	256	256	263	271	282	298	316	324	322	—
	21	255	256	256	264	261	266	274	288	305	319	328	331	—
	22	259	261	261	262	263	268	276	291	307	316	325	314	—
	23	266	268	266	275	273	273	280	292	303	315	309	314	—
	24	273	274	274	277	280	280	289	304	320	325	329	326	—
	25	257	259	263	266	275	269	281	291	296	285	295	288	—
	26	248	252	256	263	266	269	284	299	296	302	292	290	—
	27	263	259	258	271	267	273	278	285	291	306	316	314	—
	28	264	264	266	270	273	277	283	297	313	316	328	348	—
	29	261	264	267	267	267	277	281	301	312	315	319	317	—
	30	259	265	268	269	271	270	280	297	310	316	326	329	—
Hourly Means.		278	279	281	285	287	292	302	317	327	337	339	335	—
Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
S E P T E M B E R.	1	333	315	306	311	308	310	313	316	312	313	313	312	321
	2	375	374	346	338	326	313	308	297	295	303	303	316	332
	3	391	381	356	338	326	305	307	301	301	302	304	303	332
	4	363	345	328	318	310	320	311	303	306	308	307	307	328
	5	326	306	294	286	280	288	296	294	299	310	297	308	311
	6	304	285	266	252	253	262	255	245	246	245	269	273	285
	7	320	310	302	301	301	305	306	302	292	288	297	295	308
	8	340	329	314	301	302	302	304	299	295	300	297	304	317
	9	366	347	333	323	316	313	309	306	305	307	307	304	328
	10	357	343	326	309	301	307	301	304	307	305	301	300	324
	11	363	347	329	316	310	312	310	309	307	309	308	309	327
	12	348	324	311	311	306	306	304	300	299	301	302	304	322
	13	376	358	332	319	301	286	272	284	278	262	321	283	322
	14	343	328	311	297	292	299	301	300	297	301	302	308	313
	15	371	342	315	301	299	300	297	296	295	294	297	296	322
	16	217	158	173	168	135	102	69	105	100	137	133	191	239
	17	160	154	167	165	182	176	173	230	199	202	202	208	195
	18	272	257	240	237	239	239	210	239	237	237	271	259	246
	19	290	295	278	254	246	257	249	244	242	248	244	244	272
	20	296	278	266	261	253	259	256	256	254	253	261	256	270
	21	324	304	289	277	269	267	261	252	253	254	263	262	278
	22	299	281	269	261	263	267	264	264	264	266	267	268	277
	23	308	292	283	279	277	275	271	275	272	266	268	272	282
	24	322	313	299	278	278	265	256	249	257	253	252	261	285
	25	286	283	263	240	239	236	239	242	246	240	248	247	264
	26	285	264	256	261	261	261	257	259	256	259	260	262	269
	27	302	289	277	275	276	268	265	264	265	261	264	263	277
	28	339	323	295	273	240	252	263	247	245	244	256	261	281
	29	305	287	268	269	271	277	265	266	265	260	253	249	278
	30	312	291	274	265	264	263	266	266	262	264	266	262	280
Hourly Means.		320	303	289	279	274	273	270	270	268	270	274	276	292.8

VERTICAL FORCE. A.

HOURLY OBSERVATIONS. 0.19500 + THE NUMBERS IN THE TABLE.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
S E P T E M B E R.	1	116	113	111	108	107	104	111	115	100	72	55	63	—
	2	121	118	115	112	109	105	112	75	57	41	19	29	—
	3	97	94	90	83	77	71	70	48	43	24	1	0	—
	4	83	84	81	76	72	58	57	59	63	54	36	46	—
	5	99	96	91	87	81	75	78	112	112	104	101	98	—
	6	131	129	124	125	116	105	111	113	115	97	70	75	—
	7	127	118	116	112	108	101	101	98	87	75	70	84	—
	8	124	124	123	118	111	105	108	101	101	88	81	88	—
	9	127	124	118	111	111	96	86	70	61	60	63	62	—
	10	131	128	125	120	120	112	119	122	120	104	96	92	—
	11	136	129	125	123	119	116	117	87	81	67	58	57	—
	12	99	95	94	88	86	81	85	86	78	55	43	50	—
	13	106	104	101	96	94	87	72	113	107	90	70	88	—
	14	154	149	145	139	138	137	139	160	141	132	116	110	—
	15	146	145	142	140	135	131	133	124	112	102	88	86	—
	16	152	148	143	139	135	130	134	144	140	118	102	112	—
	17	164	158	169	161	150	140	143	146	160	159	137	118	—
	18	120	119	118	116	114	113	118	103	88	75	63	72	—
	19	116	119	106	112	107	103	105	101	88	79	63	57	—
	20	139	135	131	125	120	115	119	123	113	97	76	71	—
	21	143	140	137	131	130	125	125	144	129	116	115	118	—
	22	175	173	171	170	167	168	167	179	165	149	147	158	—
	23	199	197	195	187	186	184	186	194	178	165	157	151	—
	24	211	211	210	204	201	196	194	165	140	129	125	122	—
	25	197	192	188	184	179	179	181	184	181	176	165	166	—
	26	210	205	201	194	191	189	187	195	190	176	176	180	—
	27	227	226	226	218	217	210	213	201	186	166	154	153	—
	28	222	221	220	217	214	211	220	213	198	179	168	156	—
	29	214	209	204	202	198	191	196	184	162	147	132	123	—
	30	214	207	205	202	201	201	212	225	213	197	184	183	—
Hourly Means.		150	147	144	140	136	131	133	133	124	110	98	99	—
Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
S E P T E M B E R.	1	80	99	106	106	118	124	124	125	127	125	124	122	106
	2	49	61	94	106	107	112	113	116	116	108	105	97	92
	3	1	17	43	77	91	105	107	107	101	97	91	88	68
	4	55	65	79	88	105	103	107	112	111	110	106	104	80
	5	103	112	117	125	133	136	137	139	137	132	137	136	112
	6	88	104	118	123	130	132	138	147	150	149	134	129	119
	7	94	87	91	99	109	120	125	133	135	136	130	128	108
	8	101	100	103	113	119	127	130	132	137	134	132	129	114
	9	65	67	88	104	121	129	131	132	133	132	134	132	102
	10	103	111	123	142	152	147	148	143	140	140	140	137	126
	11	65	67	72	87	102	107	110	111	111	110	107	101	99
	12	63	84	101	110	117	118	120	120	120	116	113	111	93
	13	90	99	118	135	154	167	177	168	167	175	146	157	120
	14	111	114	127	137	144	147	150	148	153	149	146	144	139
	15	98	110	123	143	155	158	162	163	165	165	161	156	135
	16	172	253	248	217	255	277	252	228	226	208	195	161	179
	17	115	112	101	101	114	122	132	107	125	128	124	122	134
	18	85	93	104	114	122	129	132	135	140	137	120	122	111
	19	79	86	105	122	141	145	149	150	149	147	145	143	113
	20	78	84	96	112	129	136	142	142	145	147	144	145	119
	21	131	140	151	164	177	183	185	187	186	185	179	177	150
	22	173	182	190	203	204	205	205	207	208	207	204	202	182
	23	149	163	187	204	212	215	216	212	213	216	217	213	192
	24	131	147	160	178	186	200	208	213	205	205	204	197	181
	25	169	175	189	210	216	218	212	213	212	216	214	212	193
	26	192	208	217	219	223	230	234	235	237	234	231	230	208
	27	167	182	199	211	218	226	230	230	230	231	227	226	207
	28	168	185	219	245	259	248	240	240	248	236	228	220	216
	29	137	160	186	197	203	205	216	219	220	223	225	223	191
	30	197	213	233	244	243	240	238	237	237	235	230	228	217
Hourly Means.		110	123	136	148	159	164	166	165	166	164	160	156	140.2

EASTERLY DECLINATION. A.
HOURLY OBSERVATIONS. 1° 50' + THE NUMBERS IN THE TABLE.

Mean Batavia Time.		1 A.M.	2	3	4	5	6	7	8	9	10	11	12	—
OCTOBER.	1	6.6	6.6	6.9	6.8	6.6	6.1	5.0	3.1	2.4	3.1	4.4	6.2	—
	2	5.9	5.9	5.9	5.9	5.9	5.8	4.8	3.0	1.9	1.9	3.6	5.3	—
	3	5.9	5.9	5.9	5.9	5.9	5.9	5.0	3.1	2.4	2.4	3.6	5.3	—
	4	5.6	5.9	5.9	6.0	6.1	6.2	5.4	3.8	3.1	3.0	3.9	5.4	—
	5	5.5	5.4	5.4	5.9	5.9	6.2	6.0	3.0	2.3	3.1	5.2	6.4	—
	6	5.4	5.3	6.0	6.4	6.6	6.2	4.7	3.5	2.4	2.3	3.4	4.7	—
	7	5.9	5.9	6.3	6.7	6.8	6.3	5.3	4.0	3.0	2.4	3.6	5.4	—
	8	6.6	6.6	6.7	6.6	6.6	5.9	4.8	3.0	3.0	3.9	5.4	7.5	—
	9	6.9	6.9	7.0	7.1	7.0	6.4	4.8	3.0	3.1	3.9	5.3	7.6	—
	10	6.7	6.7	6.9	6.8	6.6	6.2	4.5	2.4	1.5	2.3	4.2	5.9	—
	11	6.8	7.0	7.1	7.2	7.0	6.4	5.4	3.7	2.8	2.9	4.0	6.0	—
	12	6.7	7.0	6.9	6.8	6.6	5.5	4.4	2.9	2.8	3.2	4.6	6.6	—
	13	6.6	6.8	7.0	7.0	6.7	6.4	5.0	2.6	3.7	4.2	6.1	7.3	—
	14	6.4	6.6	6.7	6.3	6.0	5.4	4.2	3.8	3.5	4.6	5.4	6.9	—
	15	6.7	6.8	6.9	6.8	6.6	5.4	3.7	1.9	2.6	3.7	5.1	7.2	—
	16	5.6	5.6	5.9	6.6	6.6	6.7	5.3	2.6	3.1	4.6	7.0	8.7	—
	17	6.6	6.9	6.8	6.6	7.5	7.7	4.7	2.6	2.4	2.0	6.1	8.1	—
	18	7.6	7.0	7.1	6.8	6.6	6.3	5.0	4.0	3.7	4.7	5.8	8.0	—
	19	6.6	6.8	6.8	6.6	6.2	5.9	4.8	3.9	3.9	4.7	6.1	7.8	—
	20	6.1	5.9	6.6	6.4	6.1	5.4	4.3	2.8	2.6	3.6	5.4	7.6	—
	21	5.4	5.9	6.3	6.9	6.6	6.1	5.4	3.8	2.7	3.6	5.3	7.3	—
	22	6.6	6.8	6.9	6.8	6.6	6.0	3.6	3.1	2.6	2.9	5.2	7.9	—
	23	6.8	6.9	7.0	6.9	6.9	6.0	4.7	3.7	4.2	4.8	6.4	7.6	—
	24	6.1	6.1	6.3	6.1	6.0	5.5	4.7	4.0	4.0	4.0	5.6	7.6	—
	25	6.2	6.0	6.4	6.4	6.1	6.4	5.0	3.1	3.7	4.2	6.1	8.4	—
	26	7.8	7.6	7.3	7.1	7.0	6.6	5.3	3.7	3.1	4.2	6.3	8.1*	—
	27	6.7	6.6	6.6	6.6	6.3	5.5	4.7	4.0	4.4	5.3	6.1	8.1	—
	28	5.4	5.5	5.9	5.6	5.6	5.4	4.7	4.3	4.3	4.3	5.3	7.0	—
	29	6.4	6.4	6.4	6.3	5.9	4.8	3.6	2.4	2.9	4.2	5.9	7.5	—
	30	6.9	7.0	6.8	6.6	6.2	5.4	4.3	3.8	4.2	5.4	7.0	8.2	—
	31	6.4	6.4	6.6	6.4	6.1	5.9	5.4	4.7	4.6	4.7	5.3	6.9	—
Hourly Means.		6.3	6.4	6.6	6.5	6.4	6.0	4.8	3.3	3.1	3.7	5.2	7.0	—
Mean Batavia Time.		1 P.M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
OCTOBER.	1	8.1	8.5	7.7	7.3	7.0	6.6	5.9	6.0	5.9	5.9	5.9	5.9	6.0
	2	7.0	7.7	7.7	7.3	6.7	6.0	6.1	5.9	5.8	5.8	5.6	5.8	5.6
	3	7.1	7.7	7.2	6.4	6.2	6.2	6.2	5.9	5.9	5.8	5.9	5.8	5.6
	4	6.6	7.0	7.0	6.6	6.0	6.0	6.1	6.0	5.8	5.4	5.4	5.4	5.6
	5	7.6	8.1	7.3	7.1	6.4	5.9	5.9	5.6	5.5	5.3	5.3	4.7	5.6
	6	6.4	7.5	7.9	7.0	6.4	6.4	5.9	5.6	5.5	5.9	5.2	5.4	5.5
	7	6.9	7.0	7.6	7.0	6.7	6.6	6.0	6.4	6.2	6.0	6.1	6.4	5.9
	8	8.6	8.8	8.5	8.0	7.7	7.3	7.3	7.0	6.7	6.7	7.0	6.8	6.5
	9	8.5	8.4	8.1	7.0	7.0	7.0	6.8	6.7	6.3	6.6	6.6	6.6	6.5
	10	8.0	9.9	9.7	8.3	7.1	6.6	7.0	6.8	6.7	6.8	6.8	6.7	6.3
	11	7.5	8.3	7.8	7.0	6.9	6.8	6.9	6.6	6.4	6.6	6.7	6.3	6.3
	12	8.1	8.9	8.8	8.0	7.3	6.9	6.9	6.8	6.7	6.6	6.4	6.7	6.3
	13	8.4	9.3	8.6	8.1	7.0	6.6	6.8	6.6	6.3	6.0	6.0	6.1	6.5
	14	8.6	8.7	8.7	7.7	7.6	6.2	6.7	6.7	6.3	6.2	6.1	6.4	6.3
	15	8.7	8.8	8.8	8.1	7.5	6.6	6.7	6.6	6.0	5.9	6.2	5.4	6.2
	16	10.1	9.6	8.8	7.1	6.3	6.9	6.8	6.6	6.6	6.4	6.2	6.6	6.5
	17	7.6	8.1	7.6	7.2	7.7	7.6	7.6	7.2	7.0	7.0	7.0	6.9	6.5
	18	8.9	8.8	7.5	6.4	6.1	6.9	7.0	6.4	6.3	6.2	6.3	6.3	6.5
	19	8.4	8.8	8.4	7.8	7.1	7.0	6.9	6.7	6.4	6.4	5.5	5.6	6.5
	20	8.8	8.5	8.1	7.8	7.7	7.0	7.0	6.6	5.8	6.0	6.3	6.1	6.2
	21	8.3	8.3	8.1	7.0	6.6	6.4	6.7	6.6	6.2	6.2	6.1	6.4	6.2
	22	9.4	9.9	8.5	7.6	7.0	6.8	7.0	6.2	6.2	6.0	6.3	6.6	6.4
	23	7.6	7.3	7.0	6.6	6.3	6.1	5.9	5.9	5.5	5.5	5.9	5.9	6.1
	24	8.9	9.5	9.2	8.0	7.1	7.0	6.9	6.2	6.0	5.9	6.0	6.0	6.4
	25	9.7	10.0	10.1	9.5	9.4	9.1	8.9	8.6	8.1	7.9	7.8	7.7	7.3
	26	9.1	9.3	9.3	7.8	7.0	6.9	7.2	7.1	6.4	6.4	6.4	6.6	6.8
	27	8.3	8.4	8.3	7.3	6.7	6.4	6.6	6.0	5.5	5.5	5.4	5.4	6.3
	28	7.5	8.1	8.0	7.2	6.6	6.6	6.6	6.6	6.3	6.0	6.2	6.2	6.1
	29	8.3	8.1	7.8	7.7	7.2	6.7	7.3	7.1	6.7	6.7	6.6	7.0	6.2
	30	8.8	8.9	8.1	7.5	6.8	6.8	7.0	6.6	6.4	6.2	6.2	6.3	6.6
	31	7.8	8.1	8.1	7.6	7.3	7.0	7.0	6.7	6.6	6.3	6.4	6.6	6.5
Hourly Means.		8.2	8.5	8.2	7.5	7.0	6.7	6.8	6.5	6.3	6.2	6.2	6.2	6.25

HORIZONTAL FORCE. A.

HOURLY OBSERVATIONS. 0.36800 + THE NUMBERS IN THE TABLE.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
OCTOBER.	1	289	291	299	300	300	302	309	324	337	351	364	368	—
	2	294	299	303	304	303	311	318	331	341	351	362	361	—
	3	298	301	301	303	307	309	316	332	344	353	360	347	—
	4	298	300	301	305	308	312	321	332	347	360	362	361	—
	5	300	307	309	307	318	325	337	387	395	399	395	401	—
	6	206	260	250	245	266	263	271	277	292	305	301	318	—
	7	274	276	271	278	277	285	292	300	311	329	341	331	—
	8	279	282	283	288	290	293	302	321	333	350	359	360	—
	9	290	297	295	292	292	291	294	308	321	340	351	350	—
	10	300	300	301	302	303	308	317	336	354	368	372	371	—
	11	303	301	303	307	306	309	317	334	349	361	368	366	—
	12	303	303	305	305	307	309	315	337	358	376	384	385	—
	13	295	295	293	301	301	309	311	318	322	342	352	360	—
	14	292	291	295	297	297	295	303	315	337	348	365	364	—
	15	292	292	299	297	299	299*	316	333	348	367	388	390	—
	16	270	262	263	259	266	284	279	294	312	316	320	316	—
	17	295	287	293	278	273	320	307	299	316	305*	293	300	—
	18	259	259	263	269	270	279	295	312	334	350	361	346	—
	19	269	287	285	285	280	283	299	317	333	345	341	328	—
	20	287	281	291	292	291	287	292	310	323	320	320	319	—
	21	287	287	293	285	282	280	290	302	318	332	339	336	—
	22	292	291	290	291	292	293	297	314	335	361	374	371	—
	23	276	279	280	284	286	296	306	327	342	352	355	349	—
	24	291	294	296	298	300	300	306	319	340	360	366	365	—
	25	292	294	294	294	296	296	302	315	322	340	345	346	—
	26	297	302	300	302	305	304	315	328	342	360	353*	346	—
	27	290	294	296	300	304	305	311	313	318	338	344	344	—
	28	294	299	303	301	302	303	312	324	342	355	358	361	—
	29	298	299	302	306	307	311	320	336	352	371	379	374	—
	30	304	304	306	310	311	314	320	337	359	375	380	379	—
	31	303	303	303	303	304	306	312	323	339	355	356	353	—
Hourly Means.		288	291	292	293	295	299	307	321	336	350	355	354	—
Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
OCTOBER.	1	349	327	319	306	295	289	297	290	291	292	291	290	311
	2	352	332	316	309	303	303	303	300	299	298	299	299	316
	3	330	310	303	300	306	310	307	306	306	305	300	300	315
	4	343	319	304	297	300	304	301	297	297	299	297	297	315
	5	381	354	301	271	268	280	288	271	287	273	293	220	319
	6	299	285	268	255	270	261	272	279	286	270	272	281	273
	7	324	319	311	297	284	273	274	265	275	281	279	279	293
	8	356	340	320	307	295	288	279	290	282	279	273	278	305
	9	341	325	310	304	299	296	300	298	297	295	295	297	307
	10	355	340	323	312	307	308	303	302	300	301	304	304	320
	11	357	339	325	319	312	309	307	306	306	304	294	315	322
	12	376	354	330	308	299	295	291	295	295	292	290	290	321
	13	360	344	321	309	300	296	292	288	289	291	293	286	311
	14	349	330	308	301	281	295	289	293	280	285	290	291	308
	15	380	347	322	305	301	297	295	286	286	263	265	281	315
	16	297	278	270	267	272	274	278	276	275	278	282	298	283
	17	286	262	271	284	277	264	255	258	251	248	253	256	280
	18	323	293	287	278	274	256	230	228	242	251	254	269	283
	19	336	321	309	295	292	288	297	290	289	279	293	299	302
	20	319	313	306	294	294	283	271	269	287	285	280	295	296
	21	330	316	303	292	288	281	282	284	284	278	290	292	298
	22	346	310	298	290	278	262	255	252	250	259	271	272	298
	23	340	331	314	298	293	288	288	287	290	290	289	289	305
	24	355	325	316	305	297	289	285	286	289	287	286	291	310
	25	346	310	330	322	316	304	303	304	295	297	297	297	312
	26	337	327	282	276	292	292	289	274	278	286	290	290	307
	27	337	328	321	310	302	298	295	293	291	289	288	290	308
	28	352	332	317	309	302	295	295	289	293	300	296	296	314
	29	361	343	326	315	309	306	304	303	304	302	303	304	322
	30	370"	361	340	324	313	307	304	304	302	302	302	302	326
	31	347	337	325	315	307	303	302	301	299	296	297	301	316
Hourly Means.		343	325	310	299	294	290	288	286	287	286	287	289	306.8

VERTICAL FORCE. A.

HOURLY OBSERVATIONS. 0.19500 + THE NUMBERS IN THE TABLE.

Mean Batavia Time.		1 A.M.	2	3	4	5	6	7	8	9	10	11	12	—
OCTOBER.	1	223	221	216	215	215	213	213	208	190	173	158	155	—
	2	217	213	207	204	201	198	201	201	194	177	158	141	—
	3	228	225	225	222	219	220	223	217	211	197	184	181	—
	4	218	213	208	202	198	195	198	204	194	176	161	158	—
	5	219	214	210	204	197	187	188	175	167	150	147	149	—
	6	266	226	224	220	209	211	213	192	183	168	172	158	—
	7	217	215	212	207	204	204	211	213	202	191	174	166	—
	8	201	199	196	194	190	191	191	171	161	147	140	140	—
	9	166	161	163	164	163	166	168	154	132	110	94	92	—
	10	156	155	155	153	152	152	156	173	154	129	98	79	—
	11	156	155	152	147	146	146	148	134	118	104	86	74	—
	12	132	129	129	126	125	129	128	115	88	62	46	40	—
	13	130	129	127	124	124	123	130	105	87	61	49	47	—
	14	132	131	130	129	129	134	137	129	112	97	83	75	—
	15	131	130	125	124	120	120	120	111	88	67	44	30	—
	16	156	155	152	146	144	137	153	176	153	132	113	115	—
	17	160	165	163	169	171	145	169	175	149	127	125	125	—
	18	166	162	156	151	147	145	149	132	122	93	65	71	—
	19	137	126	125	125	126	125	119	111	101	86	79	91	—
	20	156	154	145	141	140	148	153	122	104	85	73	75	—
	21	127	129	124	120	118	118	120	122	104	81	67	71	—
	22	127	125	123	118	116	116	115	101	86	65	54	60	—
	23	125	122	118	115	112	111	111	91	79	67	60	58	—
	24	122	119	115	112	111	110	108	101	78	60	55	60	—
	25	137	135	132	133	132	131	136	126	117	93	77	78	—
	26	137	134	132	130	127	129	133	147	126	98	86	88	—
	27	123	118	115	111	108	111	108	95	83	55	39	41	—
	28	105	100	96	94	94	95	95	91	74	50	39	29	—
	29	76	73	71	67	66	70	67	54	31	8	0	1	—
	30	79	77	75	70	68	71	68	54	40	23	11	10	—
	31	75	72	69	65	63	62	60	66	60	49	38	33	—
Hourly Means.		155	151	148	145	143	142	145	138	122	103	90	87	—
Mean Batavia Time.		1 P.M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
OCTOBER.	1	165	185	198	215	230	237	237	238	237	234	233	226	210
	2	149	168	186	202	216	223	227	233	235	234	233	230	202
	3	187	212	227	234	227	220	223	223	224	224	224	222	217
	4	172	197	219	227	223	221	224	226	228	226	226	221	206
	5	164	188	225	248	251	237	232	235	228	237	236	261	206
	6	165	177	197	213	212	216	216	216	216	222	226	213	205
	7	180	191	201	212	218	218	221	217	210	206	206	204	204
	8	144	155	168	179	183	181	186	179	183	182	182	176	176
	9	109	127	152	163	165	165	162	161	164	164	162	159	149
	10	82	108	144	174	176	171	171	168	168	166	161	159	148
	11	79	94	115	128	140	142	140	138	137	139	143	129	129
	12	55	79	105	129	144	147	146	144	141	140	140	137	115
	13	48	62	93	115	129	138	142	143	141	140	137	138	111
	14	81	101	122	144	161	153	150	149	155	149	145	137	128
	15	55	90	122	146	156	155	156	160	161	168	162	153	121
	16	136	159	166	173	171	167	169	173	175	173	171	161	155
	17	144	151	151	146	154	165	177	180	182	182	177	170	159
	18	95	122	143	152	150	153	171	172	161	155	149	137	138
	19	101	118	133	143	149	153	153	156	159	163	161	154	129
	20	84	100	107	117	122	127	135	139	131	132	130	120	123
	21	88	108	120	132	139	143	142	140	140	141	135	130	119
	22	72	101	127	143	152	156	157	157	155	147	135	129	118
	23	77	93	112	130	137	135	135	134	132	131	129	124	110
	24	74	96	115	129	144	149	152	152	149	148	147	138	114
	25	88	104	118	132	137	140	144	146	148	145	144	140	126
	26	89	110	140	148	137	136	137	144	140	137	132	126	127
	27	46	67	84	98	110	115	119	122	124	122	118	111	98
	28	46	65	85	100	106	104	100	100	94	88	86	81	84
	29	9	33	54	69	81	83	86	88	90	90	89	82	60
	30	0	21	54	81	88	86	86	86	86	85	82	79	62
	31	43	54	74	95	101	104	104	104	105	107	105	98	75
Hourly Means.		98	117	137	152	158	159	161	162	161	161	158	153	139.5

EASTERLY DECLINATION. A.
HOURLY OBSERVATIONS. 1° 50' + THE NUMBERS IN THE TABLE.

Mean Batavia Time.		1 A.M.	2	3	4	5	6	7	8	9	10	11	12	
NOVEMBER.	1	6.8	6.8	7.0	6.8	6.6	6.4	5.5	4.2	4.2	4.3	5.2	7.0	—
	2	5.4	4.3	4.7	5.5	5.2	5.3	4.7	3.7	4.2	5.0	6.7	8.5	—
	3	6.6	6.4	6.9	6.3	6.0	5.4	3.5	1.3	1.3	3.5	4.3	8.0	—
	4	6.2	6.3	6.4	6.6	6.4	6.7	5.5	4.2	4.2	4.8	6.4	8.8	—
	5	5.9	6.1	6.3	6.6	6.6	6.1	5.4	3.7	3.7	4.0	5.3	6.1	—
	6	6.4	6.3	6.6	6.6	6.4	6.0	6.0	4.6	5.0	5.6	7.2*	8.3	—
	7	6.1	6.2	6.4	6.4	6.3	5.3	4.4	3.5	3.2	4.5	7.0	8.6	—
	8	6.9	6.7	7.0	7.0	6.8	6.0	5.2	3.8	3.6	4.4	6.3	8.1	—
	9	6.6	6.6	6.4	6.7	6.6	6.0	5.2	3.7	3.1	3.6	5.2	7.1	—
	10	6.3	6.4	6.9	7.0	6.6	6.1	5.3	4.5	4.5	5.0	6.0	7.3	—
	11	7.0	7.1	7.1	7.0	6.6	5.5	5.4	5.3	5.6	6.3	8.4	9.5	—
	12	6.4	6.4	6.7	6.7	6.4	6.3	5.8	5.2	4.7	4.4	4.6	5.9	—
	13	5.3	5.8	6.0	6.1	6.4	5.4	5.4	5.0	4.8	5.3	7.0	8.6	—
	14	6.0	6.2	6.2	6.1	5.9	5.3	5.1	4.8	5.3	6.0	7.8	9.4	—
	15	6.3	6.0	6.0	5.9	5.4	4.2	3.4	3.0	4.6	5.8	8.3	10.3	—
	16	6.0	6.2	6.0	5.9	5.5	4.7	3.0	1.5	1.9	3.4	6.0	8.3	—
	17	6.6	6.6	6.6	6.2	5.9	5.3	3.6	2.3	2.7	3.7	5.8	8.0	—
	18	6.8	6.7	6.6	6.3	6.0	5.0	3.2	2.4	1.6	2.2	3.7	6.4	—
	19	6.6	6.9	6.8	6.7	6.0	5.3	4.2	2.4	2.3	2.8	4.2	6.4	—
	20	6.7	6.9	6.9	7.5	6.6	7.6	4.7	4.4	3.1	2.8	4.3	6.0	—
	21	5.9	6.4	6.9	6.9	6.4	5.3	4.0	3.0	3.0	3.7	6.0	6.7	—
	22	7.1	7.0	7.7	7.8	7.6	6.3	5.4	4.2	2.1	3.6	5.9	7.0	—
	23	6.1	6.6	6.1	7.0	7.0	6.4	6.4	5.2	6.0	6.4	6.4	7.1	—
	24	6.8	6.7	6.3	5.8	5.9	6.6	5.1	5.4	5.8	5.9	6.7	7.6	—
	25	7.0	7.0	6.7	6.7	6.6	5.8	5.9	6.0	6.1	7.6	8.8	10.4	—
	26	6.6	6.6	6.4	6.4	6.2	4.8	4.2	3.6	3.8	4.8	6.3	8.0	—
	27	6.8	7.0	7.0	6.4	6.0	4.7	4.2	4.2	5.0	6.7	7.9	8.8	—
	28	6.3	6.0	5.8	5.5	5.1	3.8	3.0	2.9	4.4	6.1	8.6	9.4	—
	29	6.3	6.7	6.4	6.3	6.0	4.7	5.1	5.4	6.4	7.7	9.4	10.5	—
	30	6.4	6.6	6.6	6.2	6.0	4.3	3.1	2.4	4.2	6.6	8.5	10.2	—
Hourly Means.		6.4	6.5	6.5	6.5	6.2	5.6	4.7	3.9	4.0	4.9	6.5	8.1	—
Mean Batavia Time.		1 P.M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
NOVEMBER.	1	8.9	10.2	10.3	8.8	7.7	7.0	7.0	6.7	6.6	6.2	6.2	5.9	6.8
	2	10.2	10.9	10.9	10.2	8.9	7.8	7.1	6.6	6.6	5.9	5.8	5.3	6.6
	3	9.2	8.3	8.0	8.6	8.3	7.7	7.0	6.6	5.6	5.5	5.9	6.0	6.1
	4	9.5	9.4	8.7	8.3	7.0	6.1	6.0	6.0	5.6	5.4	5.5	5.8	6.5
	5	7.0	7.2	7.2	7.3	7.1	6.8	6.8	6.4	6.1	5.9	6.0	6.3	6.1
	6	8.9	8.3	7.6	6.9	7.0	6.7	6.6	6.4	6.1	6.0	5.9	6.0	6.6
	7	9.4	9.4	8.5	7.6	7.0	7.0	7.1	6.8	6.7	6.4	6.7	6.6	6.5
	8	8.6	8.1	7.8	7.3	6.8	6.4	6.6	6.3	6.1	6.0	6.0	6.2	6.4
	9	7.8	8.4	8.3	7.7	7.3	7.0	7.0	6.7	6.4	6.3	6.3	6.3	6.3
	10	7.9	8.1	8.3	8.3	7.9	6.8	7.1	7.1	7.0	7.0	6.9	6.9	6.7
	11	10.3	10.5	9.5	9.1	8.3	7.8	7.7	7.1	6.7	6.3	6.1	6.4	7.4
	12	6.4	7.0	7.1	7.0	6.2	6.0	6.0	5.9	5.3	5.4	5.9	6.0	6.0
	13	8.1	8.1	7.7	7.0	6.7	6.3	6.4	6.2	5.9	5.9	6.0	6.0	6.3
	14	9.9	9.7	8.9	8.1	6.9	6.3	6.6	6.4	6.2	6.1	6.2	6.0	6.7
	15	10.5	9.4	8.3	7.1	6.4	6.1	6.6	6.4	6.3	6.2	6.1	6.2	6.5
	16	8.8	8.8	8.1	7.1	6.3	6.6	7.1	6.7	6.4	6.4	6.4	6.4	6.0
	17	9.4	9.3	8.8	8.1	7.2	6.4	7.2	6.9	6.6	6.3	6.4	6.7	6.4
	18	8.1	8.7	7.7	7.1	7.0	6.9	7.0	6.9	6.6	6.3	6.3	6.4	5.9
	19	7.6	7.8	8.1	8.1	7.7	7.1	7.0	6.9	6.6	6.4	6.8	6.3	6.1
	20	7.3	9.3	10.3	10.3	9.4	6.3	7.2	6.2	5.1	4.8	6.2	5.3	6.5
	21	7.5	7.5	7.7	7.8	7.7	7.0	6.9	6.6	6.3	6.4	6.6	6.0	6.2
	22	10.3	11.0	11.7	10.0	9.3	9.4	9.3	8.1	7.6	5.9	6.0	6.6	7.4
	23	6.6	7.7	7.6	8.1	8.1	7.6	8.1	7.5	7.5	7.0	6.9	6.9	6.9
	24	7.6	7.1	7.2	7.1	7.2	7.1	7.3	6.9	6.8	6.9	6.9	6.8	6.6
	25	10.4	9.3	8.1	7.0	7.0	6.9	7.0	6.9	6.7	6.7	6.7	6.6	7.2
	26	8.8	8.8	8.3	7.6	7.2	7.0	7.1	7.0	7.1	7.0	7.0	6.7	6.6
	27	8.5	8.3	7.6	7.1	7.1	6.7	7.6	7.1	7.0	6.3	5.9	6.3	6.7
	28	9.5	8.9	8.3	7.3	6.7	6.3	6.9	6.4	6.6	6.1	6.1	6.1	6.3
	29	10.0	8.1	7.1	6.7	6.7	6.8	7.0	6.7	6.6	6.4	6.6	6.6	6.9
	30	10.5	9.5	8.4	7.2	6.3	6.6	6.8	6.6	6.6	6.6	6.7	6.4	6.6
Hourly Means.		8.8	8.8	8.4	7.9	7.3	6.9	7.0	6.7	6.4	6.2	6.3	6.3	6.53

HORIZONTAL FORCE. A.

HOURLY OBSERVATIONS. — 0.36800 + THE NUMBERS IN THE TABLE,

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
N O V E M B E R.	1	326	325	324	326	326	328	332	344	359	375	377	377	—
	2	338	339	324	297	293	328	319	312	330	339	342	339	—
	3	292	290	297	299	294	287	330	285	294	286	299	271	—
	4	274	280	280	277	283	282	293	314	335	335	344	342	—
	5	286	282	288	285	288	294	303	314	329	340	345	344	—
	6	302	317	302	301	302	303	302	322	332	356	364	365	—
	7	313	315	311	308	309	313	317	324	333	343	354	361	—
	8	308	309	308	311	311	311	316	335	346	358	353	352	—
	9	312	312	309	310	313	318	329	341	356	370	378	373	—
	10	318	318	319	318	318	318	321	336	350	362	366	370	—
	11	325	329	333	331	333	339	340	357	378	398	398	397	—
	12	328	331	330	336	330	332	336	349	362	375	373	360	—
	13	318	325	317	320	318	313	318	325	342	348	345	343	—
	14	309	313	315	317	319	322	326	338	349	352	347	339	—
	15	300	300	303	301	307	307	312	321	340	354	354	353	—
	16	319	316	319	322	325	327	336	352	362	375	377	376	—
	17	328	327	326	326	328	328	332	355	368	382	388	390	—
	18	312	319	319	318	319	328	339	349	369	380	382	383	—
	19	326	324	324	331	330	339	342	353	372	387	396	380	—
	20	321	328	332	329	345	330	336	328	342	363	370	338	—
	21	252	254	267	267	273	280	285	294	304	312	295	301	—
	22	285	285	294	299	291	298	308	320	376	359	364	368	—
	23	211	240	236	226	242	233	246	268	268	265	259	244	—
	24	263	267	275	294	285	275	297	316	329	345	337	334	—
	25	282	282	282	284	287	291	299	317	342	353	359	353	—
	26	294	292	293	296	298	299	306	319	339	351	353	351	—
	27	305	306	308	312	318	323	329	339	363	375	372	359	—
	28	272	278	283	290	296	298	308	320	337	354	351	352	—
	29	290	290	293	293	292	297	313	325	342	361	363	352	—
	30	299	299	297	298	297	301	307	324	343	351	345	337	—
Hourly Means.		301	303	304	304	306	308	316	327	343	353	355	350	—
Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
N O V E M B E R.	1	370	356	350	341	338	332	330	331	330	333	319	339	341
	2	325	296	259	237	226	250	263	267	259	259	259	290	295
	3	256	285	277	285	346	244	237	247	260	265	269	277	282
	4	340	328	316	342	322	294	284	259	260	274	278	282	301
	5	359	346	330	322	313	295	289	288	292	294	302	301	310
	6	356	351	335	320	315	309	308	307	304	307	307	309	321
	7	353	340	323	315	302	302	302	303	303	305	304	308	319
	8	345	338	325	323	314	313	314	314	314	315	310	317	323
	9	373	366	350	333	323	319	319	320	318	317	317	317	333
	10	362	356	348	335	328	323	321	321	321	321	325	322	333
	11	397	378	379	340	333	325	323	315	321	326	324	329	348
	12	356	346	335	323	319	315	310	306	306	310	307	308	333
	13	335	328	323	319	313	311	314	306	304	310	305	305	321
	14	331	328	316	304	295	288	296	297	298	296	294	300	316
	15	351	348	337	328	321	316	313	315	313	314	317	318	323
	16	369	360	346	332	320	313	314	316	318	322	325	325	336
	17	380	370	354	336	316	309	311	314	312	316	319	316	339
	18	372	366	352	337	330	326	327	322	322	325	325	326	339
	19	360	352	342	331	326	322	322	318	319	318	317	320	340
	20	337	341	299	276	270	274	263	260	270	267	228	233	308
	21	297	296	294	287	287	288	291	286	291	290	287	283	286
	22	362	314	245	212	170	128	109	119	116	105	208	218	256
	23	230	233	217	221	221	223	223	244	242	246	254	259	240
	24	322	306	293	278	279	282	283	277	275	278	280	279	294
	25	342	325	316	311	316	300	298	299	297	289	291	290	309
	26	344	328	320	311	307	303	301	301	301	300	297	305	313
	27	338	331	311	296	285	290	289	290	254	231	261	270	311
	28	345	329	308	297	294	285	276	265	267	278	282	281	302
	29	337	323	315	306	297	288	291	288	291	290	292	294	310
	30	329	319	306	299	298	299	302	300	299	299	297	304	310
Hourly Means.		342	333	317	307	301	292	291	290	289	290	293	298	313.1

VERTICAL FORCE. A.

HOURLY OBSERVATIONS. — 0.19500 + THE NUMBERS IN THE TABLE.

Mean Batavia Time.	1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
NOVEMBER.	1	95	92	89	86	82	82	82	86	72	58	55	—
	2	98	104	101	108	101	83	101	95	58	43	47	—
	3	96	98	91	89	94	107	91	108	110	93	81	—
	4	110	105	103	101	99	97	94	97	79	72	58	—
	5	144	143	137	134	131	132	134	125	116	102	99	—
	6	132	126	127	127	123	118	120	120	107	88	67	—
	7	110	106	104	104	103	104	105	102	88	62	51	—
	8	96	93	91	89	89	89	88	49	67	37	17	—
	9	47	46	43	41	38	38	55	72	89	81	54	—
	10	101	99	96	94	95	98	95	112	91	72	36	—
	11	81	77	75	72	71	66	57	60	33	18	29	—
	12	110	108	107	104	107	108	108	94	86	75	70	—
	13	122	112	113	109	110	118	119	125	111	95	75	—
	14	110	107	105	105	106	109	110	100	86	69	54	—
	15	118	118	118	118	117	120	115	104	79	47	31	—
	16	128	127	124	121	120	125	128	141	129	99	89	—
	17	125	122	120	119	115	122	124	49	25	7	0	—
	18	88	81	78	75	72	74	77	74	63	41	12	—
	19	111	109	108	101	101	100	104	91	79	67	55	—
	20	98	91	89	88	81	88	99	118	112	86	68	—
	21	124	115	103	101	99	105	105	94	75	60	54	—
	22	94	92	86	81	88	91	91	58	21	25	10	—
	23	50	67	72	76	70	81	81	55	48	54	61	—
	24	35	32	29	21	23	27	14	10	1	0	7	—
	25	80	79	79	76	75	75	64	54	39	24	29	—
	26	107	106	104	101	100	106	103	93	75	67	67	—
	27	96	94	92	88	86	85	82	67	51	49	63	—
	28	96	89	88	83	81	85	79	67	44	17	21	—
	29	90	92	89	87	86	88	75	60	41	38	55	—
	30	97	92	92	88	88	95	88	75	52	39	45	—
Hourly Means.	100	97	95	93	92	94	93	85	72	57	47	48	—
Mean Batavia Time.	1 A. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
NOVEMBER.	1	60	72	93	112	120	122	119	118	117	112	104	93
	2	63	84	122	135	140	124	123	124	127	128	107	101
	3	93	96	100	110	129	137	147	136	127	127	112	107
	4	77	107	125	125	140	152	156	169	171	159	149	115
	5	101	122	146	155	159	161	158	158	153	147	135	134
	6	67	83	94	105	115	122	125	124	124	122	115	109
	7	67	81	100	105	117	115	111	109	106	103	99	97
	8	33	46	57	69	76	75	68	64	62	60	48	64
	9	67	71	81	89	104	105	108	108	107	107	104	76
	10	72	74	81	89	93	95	92	94	94	92	88	87
	11	37	57	77	96	110	120	126	127	122	118	111	78
	12	79	94	107	123	131	132	136	138	137	130	125	109
	13	81	95	104	115	122	122	122	124	125	118	115	111
	14	66	85	110	128	135	136	133	131	131	130	122	106
	15	50	75	101	118	127	129	132	134	137	136	129	105
	16	104	122	136	153	158	148	144	140	140	136	129	128
	17	0	29	53	77	93	100	98	96	99	99	90	77
	18	17	32	61	79	98	106	111	113	115	115	112	76
	19	70	81	90	98	104	107	109	109	107	106	101	94
	20	75	60	85	111	122	131	126	135	131	129	135	103
	21	62	64	73	78	85	91	96	100	97	98	99	89
	22	0	39	92	132	161	176	172	153	151	125	64	87
	23	66	55	63	63	64	63	59	53	52	49	38	60
	24	20	32	46	63	67	72	79	86	88	86	83	42
	25	48	69	86	103	107	111	115	114	114	118	112	79
	26	72	86	97	105	104	105	108	107	106	105	99	95
	27	83	94	110	119	125	120	118	118	129	138	100	95
	28	33	58	81	100	105	109	116	122	121	111	105	80
	29	78	100	109	114	113	117	116	115	113	112	107	89
	30	57	75	88	102	108	105	109	110	109	107	100	86
Hourly Means.	60	75	92	106	114	117	118	118	117	114	110	104	92.4

EASTERLY DECLINATION. A.

HOURLY OBSERVATIONS. — 1° 50' + THE NUMBERS IN THE TABLE.

Mean Batavia Time.		1 A.M.	2	3	4	5	6	7	8	9	10	11	12	—
D E C E M B E R.	1	6.8	6.9	6.7	6.7	6.3	5.3	3.0	1.4	2.4	4.0	6.6	8.0	—
	2	5.5	5.9	6.2	6.0	5.5	4.2	2.7	3.5	3.4	4.7	6.4	7.6	—
	3	6.3	6.6	6.7	6.8	7.1	6.1	3.9	2.6	3.1	4.3	6.6	7.8	—
	4	6.8	6.9	7.0	7.0	6.7	5.3	4.3	3.5	3.7	4.5	6.3	8.1	—
	5	6.4	6.6	6.6	6.6	6.6	6.0	4.4	3.6	3.7	4.4	5.3	6.3	—
	6	6.1	6.4	6.4	6.6	6.2	5.9	4.8	3.6	3.0	3.0	3.7	5.2	—
	7	6.2	6.2	6.3	6.3	6.2	6.1	5.0	3.7	3.7	3.8	4.6	5.9	—
	8	6.4	6.6	6.7	6.7	6.4	6.3	5.0	3.6	3.6	4.2	4.6	6.1	—
	9	6.2	6.3	6.4	5.5	5.5	5.0	3.1	2.3	2.6	2.4	3.0	5.4	—
	10	5.3	5.4	6.0	6.0	5.9	5.3	4.2	3.7	3.9	4.0	4.5	5.8	—
	11	6.0	5.6	5.6	5.4	5.3	4.5	4.3	2.6	3.1	3.5	3.8	5.3	—
	12	6.2	6.6	6.4*	6.1*	5.9	5.3	3.9	3.4	3.5	5.2	6.2	6.4	—
	13	7.0	7.2	7.1	7.0	7.1	6.4	4.2	3.1	3.6	4.7	6.6	8.1	—
	14	6.6	6.4	6.2	6.0	5.9	4.6	3.1	3.0	4.4	6.2	8.2*	9.2	—
	15	6.3	6.8	6.4	6.3	6.1	4.4	3.0	1.5	2.7	3.8*	5.5	7.1	—
	16	6.4	7.0	6.8	6.6	6.6	6.4	4.8	3.6	3.7	3.8	5.0	6.0	—
	17	6.9	6.7	6.7	6.7	6.4	5.9	4.2	2.7	2.4	3.2	5.1	7.1	—
	18	6.3	6.4	6.1	6.3	5.4	6.4	4.3	2.6	1.8	1.9	1.4	3.1	—
	19	6.2	6.6	6.2	6.4	6.1	6.0	4.8	3.7	2.4	1.9	2.0	3.6	—
	20	6.0	6.2	6.4	6.4	6.3	6.0	4.8	3.9	4.0	3.6	4.3	6.0	—
	21	5.9	5.8	6.0	5.4	5.4	6.0	6.2	6.0	5.5	4.2	4.0	5.5	—
	22	6.1	5.9	5.9	6.3	6.3	7.0	7.6	6.7	5.9	4.8	5.2	5.3	—
	23	6.2	6.2	6.4	6.4	6.4	6.6	7.7	7.6	7.2	6.0	5.3	5.2	—
	24	6.2	6.1	6.2	6.2	6.0	5.3	4.8	4.0	3.7	4.0	4.2	3.8	—
	25	6.2	6.2	6.3	6.0	5.9	5.4	4.8	3.8	3.8	4.4	4.8	7.0	—
	26	5.4	6.0	6.0	6.0	6.0	5.3	3.6	3.2	2.8	3.6	4.2	6.4	—
	27	6.1	6.2	6.3	6.4	6.2	5.0	3.5	2.0	2.6	3.7	5.4	7.3	—
	28	6.0	6.1	6.3	6.2	5.5	4.8	2.9	3.5	4.0	6.1	7.5	8.5	—
	29	6.4	6.3	6.2	6.1	5.8	4.6	3.5	3.4	4.0	5.9	8.1	10.0	—
	30	6.6	6.6	6.6	6.4	6.1	4.4	2.6	1.5	2.9	4.6	7.5	9.9	—
	31	6.3	6.4	6.4	6.2	6.0	4.6	2.6	0.9	1.9	3.7	6.1	8.4	—
Hourly Means.		6.2	6.4	6.4	6.3	6.1	5.5	4.2	3.4	3.5	4.1	5.2	6.6	—
Mean Batavia Time.		1 P.M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
D E C E M B E R.	1	8.5	9.1	8.9	8.3	6.8	6.6	6.8	6.7	6.0	5.9	6.0	6.1	6.2
	2	8.6	8.9	8.3	7.8	7.0	6.4	6.7	6.6	5.9	6.0	6.1	6.1	6.1
	3	8.1	8.3	7.8	7.6	6.7	6.4	6.6	6.6	6.4	6.2	6.4	6.6	6.3
	4	8.9	9.3	8.6	7.3	6.4	6.0	6.3	6.2	6.2	6.0	6.0	6.2	6.4
	5	7.7	9.1	8.9	8.1	7.0	6.8	6.9	6.6	6.3	6.2	6.2	6.1	6.4
	6	7.1	8.8	9.4	8.6	7.7	6.7	6.8	6.4	6.2	6.0	5.9	6.1	6.1
	7	7.0	8.0	8.4	8.7	7.7	6.9	7.0	6.8	6.6	6.4	6.2	6.3	6.3
	8	7.0	7.0	7.7	7.8	7.5	6.6	6.9	6.7	6.3	6.3	6.2	6.2	6.2
	9	7.5	9.2	8.9	8.6	8.1	7.0	7.0	6.7	6.0	6.0	6.2	5.9	5.9
	10	7.1	8.1	8.1	8.0	8.1	7.1	6.9	6.6	6.1	6.2	6.0	6.0	6.0
	11	7.0	7.6	8.3	8.8	8.0	7.1	7.0	6.4	6.2	6.0	5.9	6.1	5.8
	12	7.3	7.6	7.9	8.3	7.8	7.0	7.1	6.9	6.8	6.6	6.4	6.7	6.3
	13	8.1	7.5	6.9	6.7	6.6	6.4	6.9	6.8	6.4	6.2	6.6	6.6	6.4
	14	9.3	8.3	8.0	7.8	7.6	6.6	7.1	6.9	6.3	6.0	6.3	6.1	6.5
	15	7.9	7.9	7.9	7.8	7.1	6.8	7.0	6.9	6.7	6.6	6.6	6.6	6.1
	16	7.5	8.3	7.7	7.1	6.6	6.7	7.1	7.1	6.9	6.7	6.8	6.7	6.3
	17	8.1	9.1	8.5	7.7	6.7	6.3	6.6	6.6	6.3	6.4	6.1	6.1	6.2
	18	5.0	7.0	8.1	8.3	7.8	6.8	7.1	7.0	6.7	6.4	6.1	6.0	5.6
	19	5.4	7.1	8.0	8.4	8.3	7.1	6.8	6.3	6.3	6.1	6.1	6.3	5.8
	20	6.3	7.1	7.5	7.7	7.6	6.8	7.1	6.7	6.4	5.9	6.0	6.0	6.0
	21	6.2	6.6	7.5	7.6	7.6	7.6	7.5	7.0	6.7	6.3	6.3	6.0	6.2
	22	5.9	6.6	7.5	7.6	7.0	7.1	7.6	7.1	6.7	6.4	6.2	6.2	6.5
	23	6.0	7.0	7.3	7.0	6.4	6.6	7.0	7.0	6.7	6.4	6.4	6.3	6.6
	24	5.4	6.0	7.0	7.6	7.5	7.1	7.6	7.1	6.8	6.6	6.4	6.3	5.9
	25	8.6	8.5	8.1	7.0	7.2	6.3	6.6	6.6	6.1	5.3	5.9	5.4	6.1
	26	8.4	8.9	8.3	7.3	6.6	6.4	6.1	6.4	6.2	6.0	6.0	6.0	5.9
	27	9.2	9.7	8.3	7.7	7.5	7.0	7.6	7.0	6.4	6.2	5.9	6.0	6.2
	28	9.2	8.6	7.7	7.2	6.4	6.9	6.4	6.0	6.0	5.9	5.9	6.2	6.2
	29	10.1	9.4	8.7	7.2	6.4	6.3	6.6	6.0	5.9	6.0	6.2	6.4	6.5
	30	10.4	10.2	9.5	8.6	7.1	6.4	6.3	6.2	6.1	6.0	6.0	6.0	6.4
	31	9.2	8.3	7.9	7.1	6.6	6.4	7.0	6.7	6.4	6.4	6.4	6.3	6.0
Hourly Means.		7.7	8.2	8.1	7.8	7.2	6.7	6.9	6.7	6.4	6.2	6.2	6.2	6.17

HORIZONTAL FORCE.
OBSERVATIONS. — 0.36800 + THE NUMBERS IN THE TABLE.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
D E C E M B E R.	1	323	324	324	326	328	323	332	348	362	371	375	376	—
	2	309	308	301	311	306	317	327	332	353	355	349	334	—
	3	309	308	319	313	310	317	328	347	356	368	365	357	—
	4	318	317	318	318	321	323	332	345	361	379	385	382	—
	5	321	320	323	323	328	327	334	346	369	392	399	387	—
	6	328	330	330	331	331	331	330	341	351	366	375	377	—
	7	329	328	330	332	328	325	328	386	405	425	433	433	—
	8	378	381	377	380	381	381	382	348	363	372	383	387	—
	9	336	344	347	354	325	331	340	345	346	362	371	375	—
	10	308	303	305	308	313	315	322	330	338	352	359	361	—
	11	322	332	335	343	343	329	335	353	366	378	400	392	—
	12	332	322	315	325	328	332	342	351	365	379	384	380	—
	13	322	314	320	339	318	328	331	334	362	360	357	354	—
	14	347	348	349	350	351	355	369	388	407	422	425	409	—
	15	339	341	341	347	351	352	355	365	381	390	393	382	—
	16	354	355	355	358	360	360	372	390	405	417	419	418	—
	17	365	370	370	371	372	377	380	393	410	424	431	429	—
	18	364	355	344	358	358	351	353	363	366	380	394	379	—
	19	336	344	350	344	351	354	356	365	377	383	381	386	—
	20	363	359	360	357	365	360	365	372	384	401	403	407	—
	21	389	388	369	378	393	388	398	400	410	420	416	426	—
	22	359	364	368	367	367	368	377	388	401	414	422	423	—
	23	364	363	363	366	367	374	384	395	408	419	421	420	—
	24	365	367	367	372	369	374	377	398	414	426	433	422	—
	25	368	370	371	381	379	377	365	377	393	416	433	415	—
	26	357	343	349	346	346	353	364	376	393	400	414	405	—
	27	347	351	348	347	349	352	355	365	389	417	420	412	—
	28	351	351	351	352	355	347	355	364	369	378	388	382	—
	29	330	333	337	340	343	348	358	375	392	412	419	405	—
	30	334	336	338	339	338	343	352	414	432	452	467	453	—
	31	395	393	397	395	392	394	399	365	380	396	399	388	—
Hourly Means.		344	344	344	347	347	349	355	366	381	394	400	395	—
Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
D E C E M B E R.	1	371	364	341	325	328	326	328	320	314	306	320	313	336
	2	323	303	287	291	301	305	293	294	306	301	305	306	313
	3	344	335	321	316	314	315	317	318	317	315	314	316	327
	4	374	359	335	323	320	318	320	320	320	319	317	319	335
	5	373	355	341	333	327	325	326	326	328	327	329	329	341
	6	372	363	352	342	334	331	332	332	331	331	332	330	342
	7	425	410	394	386	382	375	379	379	377	379	377	382	376
	8	379	370	360	348	341	335	337	337	335	330	328	329	360
	9	371	344	331	321	305	287	286	279	282	286	294	295	327
	10	353	342	326	318	308	302	309	311	312	317	316	318	323
	11	398	366	366	342	326	315	306	310	317	320	315	321	343
	12	364	365	350	332	331	331	318	312	318	321	322	321	339
	13	355	344	343	344	348	346	348	362	346	346	346	346	342
	14	391	365	362	357	353	353	349	341	330	339	342	348	365
	15	372	358	353	353	356	358	358	358	357	355	355	355	359
	16	402	387	377	374	370	367	368	367	367	367	367	368	377
	17	422	407	390	372	372	372	373	370	368	363	371	368	385
	18	369	349	339	339	353	353	344	335	319	320	305	331	351
	19	385	382	377	367	359	361	354	355	352	346	363	354	362
	20	399	391	385	374	363	356	355	357	356	376	380	385	374
	21	439	438	405	390	380	372	370	363	365	365	357	363	391
	22	415	408	393	381	372	367	367	370	362	363	367	362	381
	23	415	400	384	370	367	365	364	361	365	367	363	366	380
	24	414	403	390	377	367	363	358	357	359	360	360	365	382
	25	391	386	372	355	347	345	344	348	346	352	342	367	373
	26	381	362	353	338	332	333	348	343	344	343	346	345	359
	27	414	400	369	362	362	353	352	351	351	346	346	349	367
	28	365	353	339	333	330	332	334	330	312	320	330	320	348
	29	391	370	347	334	326	322	324	324	325	331	330	332	352
	30	437	417	396	386	387	387	387	389	390	392	393	395	390
	31	375	362	349	346	346	347	348	346	346	344	343	346	370
Hourly Means.		386	373	359	349	345	342	342	341	339	340	341	343	357.1

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BATAVIA 1883. MAGNETICAL OBSERVATIONS.

VERTICAL FORCE. A.

HOURLY OBSERVATIONS. — 0.19500 + THE NUMBER IN THE TABLE.

Mean Batavia Time.		1 A.M.	2	3	4	5	6	7	8	9	10	11	12	
DECEMBER.	1	99	96	94	89	88	94	93	42	26	8	1	16	—
	2	105	103	102	95	96	96	95	86	72	65	70	81	—
	3	109	107	100	101	103	101	102	85	72	55	54	61	—
	4	112	111	110	107	105	110	107	103	88	79	69	69	—
	5	129	126	123	121	118	119	118	109	87	74	72	76	—
	6	122	117	114	110	109	110	111	98	86	68	58	48	—
	7	119	115	111	108	108	110	112	103	91	74	72	73	—
	8	116	112	111	109	107	109	116	104	88	75	75	72	—
	9	117	112	108	106	115	112	115	109	99	83	66	58	—
	10	123	124	122	118	113	112	112	118	112	105	88	84	—
	11	137	130	128	125	129	132	127	108	97	88	74	57	—
	12	101	105	107	99	96	97	94	139	111	104	105	111	—
	13	140	143	139	129	137	137	146	148	99	79	77	79	—
	14	105	104	101	101	101	104	99	65	49	41	47	54	—
	15	129	126	122	115	114	122	120	88	60	57	67	77	—
	16	136	129	127	122	120	123	128	107	97	79	72	60	—
	17	95	91	88	85	84	86	90	75	54	43	23	14	—
	18	110	112	118	108	105	111	125	115	99	77	54	54	—
	19	118	110	105	105	101	105	113	121	112	99	88	69	—
	20	112	112	108	108	102	109	111	90	88	72	47	49	—
	21	100	101	108	101	91	87	86	112	112	112	95	78	—
	22	140	135	129	126	123	119	125	146	141	129	121	121	—
	23	141	140	137	132	131	124	122	120	129	138	133	126	—
	24	144	140	140	136	135	135	128	111	100	94	99	101	—
	25	129	128	127	122	120	124	135	129	112	99	75	72	—
	26	155	158	151	146	142	143	138	133	120	115	111	97	—
	27	171	168	164	162	159	162	160	146	129	107	105	100	—
	28	181	177	176	175	174	184	184	162	148	136	129	130	—
	29	166	162	160	160	160	162	158	158	148	140	130	149	—
	30	202	197	195	194	196	201	197	171	146	123	115	122	—
	31	—	—	—	—	—	—	—	169	147	126	129	140	—
Hourly Means.		129	126	124	121	119	121	122	115	101	89	81	81	—
Mean Batavia Time.		1 A.M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
DECEMBER.	1	27	47	68	89	94	93	96	101	109	114	103	103	75
	2	89	101	112	115	111	112	119	122	118	118	115	111	100
	3	78	88	104	109	115	115	118	118	120	122	121	116	99
	4	84	101	122	136	141	140	140	139	139	140	139	133	114
	5	87	101	122	134	139	135	133	131	131	129	128	124	115
	6	54	67	87	108	125	126	125	124	124	124	123	122	103
	7	77	88	97	109	118	122	123	122	122	120	118	116	105
	8	86	101	115	124	132	137	133	129	128	129	126	122	111
	9	55	72	86	103	129	145	144	145	143	140	133	129	109
	10	92	109	122	132	147	153	150	149	147	144	143	140	123
	11	55	81	85	104	116	123	127	123	119	118	116	111	109
	12	122	120	122	134	146	144	151	156	153	148	144	143	123
	13	86	94	98	100	104	107	107	111	108	111	110	106	112
	14	110	143	141	141	148	146	147	149	155	144	140	128	111
	15	99	119	136	139	143	137	140	143	147	149	145	141	118
	16	77	90	109	118	119	108	106	106	106	105	102	99	106
	17	21	47	74	96	108	105	101	104	109	112	108	107	80
	18	55	56	61	75	85	99	104	116	128	130	110	121	97
	19	61	57	67	86	115	124	127	125	126	130	118	120	104
	20	52	67	82	99	112	115	115	113	115	107	107	104	96
	21	78	86	119	133	147	147	150	153	149	146	147	140	116
	22	115	114	125	142	149	148	145	143	148	146	142	143	134
	23	125	132	151	166	168	160	155	155	152	148	149	145	141
	24	104	110	124	137	147	148	149	149	147	143	140	134	129
	25	101	129	152	158	168	170	169	168	171	166	167	152	135
	26	108	133	158	175	184	180	176	179	179	179	177	175	151
	27	97	125	164	179	185	191	191	192	194	193	191	184	159
	28	147	160	168	174	177	172	176	177	186	184	172	176	168
	29	172	197	224	240	242	230	221	221	220	214	212	207	186
	30	147	165	178	197	—	—	—	—	—	—	—	—	—
	31	165	173	179	181	181	182	184	184	185	186	184	180	—
Hourly Means.		91	106	121	133	140	140	141	142	143	141	138	134	118.2

DECLINATION. D.

DEVIATIONS. — UNITY = 0°.1.

Mean Batavia Time.	1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—	
SEPTEMBER.	1	3	2	1	0	0	1	5	5	— 5	— 11	1	7	—
	2	2	2	1	2	3	8	13	5	2	1	— 6	— 9	—
	3	— 1	— 1	— 2	3	1	9	20	13	3	0	— 1	— 4	—
	4	— 1	— 2	— 1	— 3	— 5	5	13	10	6	— 4	— 7	— 10	—
	5	0	4	3	1	0	6	14	16	9	1	— 11	— 21	—
	6	— 2	— 2	— 7	— 4	1	11	22	25	4	— 12	— 8	— 17	—
	7	— 1	4	1	— 4	6	13	19	23	15	4	— 15	— 35	—
	8	1	3	3	7	9	17	25	19	10	5	— 7	— 27	—
	9	3	4	3	1	4	11	17	18	9	0	— 12	— 19	—
	10	2	3	3	3	4	9	12	12	9	2	— 10	— 19	—
	11	3	2	3	2	4	9	9	10	3	— 3	— 6	— 17	—
	12	2	2	5	2	2	5	9	4	— 2	— 6	— 8	— 8	—
	13	1	0	1	1	3	7	12	13	8	— 8	— 7	— 18	—
	14	1	— 1	0	0	0	6	5	5	2	— 3	— 5	— 12	—
	15	2	3	— 1	3	2	15	15	10	2	— 9	— 24	— 26	—
	16	— 4	— 1	— 3	— 3	2	10	23	24	17	— 4	— 19	— 12	—
	17	— 9	— 3	7	12	17	7	3	— 7	21	8	3	— 13	—
	18	— 3	0	1	2	3	4	0	— 1	— 2	— 3	— 3	— 7	—
	19	0	3	1	1	3	10	11	9	2	— 8	— 12	— 10	—
	20	1	2	1	— 1	15	11	13	7	— 5	— 8	— 10	— 12	—
	21	2	2	5	2	2	3	9	6	— 3	— 1	4	5	—
	22	7	7	6	3	0	— 4	— 7	— 12	— 3	6	3	— 2	—
	23	5	3	3	1	0	— 1	— 1	— 8	— 2	1	3	3	—
	24	4	6	4	2	— 3	— 3	0	— 3	— 2	0	— 1	4	—
	25	5	7	2	4	2	4	7	1	— 1	0	— 6	— 4	—
	26	— 1	— 1	1	1	3	4	2	— 8	— 6	— 2	2	0	—
	27	— 1	1	5	— 1	— 1	— 2	1	— 6	— 6	1	7	8	—
	28	— 1	— 1	— 1	— 2	— 2	2	1	— 3	— 7	2	8	5	—
	29	4	2	2	4	1	4	2	— 6	— 11	— 8	— 9	2	—
	30	3	3	0	2	6	13	3	— 7	— 11	— 5	— 2	6	—
Hourly Amount.	75	73	77	77	104	214	293	296	188	126	220	342	—	
Mean Batavia Time.	1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily Amount.	
SEPTEMBER.	1	— 1	— 2	— 1	3	6	3	— 3	— 5	— 2	— 3	— 2	2	74
	2	— 9	— 7	— 4	— 2	1	— 1	— 2	— 5	— 4	— 5	— 2	— 5	101
	3	1	2	5	5	1	— 1	— 3	— 2	— 4	— 6	— 3	— 2	93
	4	— 13	— 7	5	8	5	— 2	1	2	2	2	3	2	119
	5	— 25	— 11	0	7	11	11	1	— 1	3	1	0	— 8	165
	6	— 25	— 22	— 10	5	6	11	10	7	9	2	— 2	0	224
	7	— 43	— 26	— 13	— 1	4	7	4	3	4	3	— 1	1	246
	8	— 33	— 29	— 15	— 3	4	5	1	3	5	2	4	2	239
	9	— 18	— 7	— 1	6	1	— 4	— 6	— 3	— 2	— 2	0	0	151
	10	— 20	— 13	2	7	6	2	1	2	0	1	3	1	146
	11	— 26	— 22	— 3	9	8	2	0	— 2	1	2	4	3	153
	12	0	2	2	1	3	0	— 2	— 2	— 1	0	2	2	72
	13	— 16	— 7	0	6	5	3	3	0	2	— 3	— 10	0	134
	14	— 7	— 4	— 5	5	12	6	4	3	2	5	5	5	103
	15	— 21	— 14	— 6	1	4	4	4	3	2	2	1	0	174
	16	32	— 17	— 22	— 16	14	15	6	— 5	— 19	— 20	— 11	— 2	301
	17	— 7	— 1	— 3	5	3	7	8	— 1	— 1	— 4	— 1	— 2	153
	18	— 9	— 11	2	7	9	3	0	1	1	0	— 8	1	81
	19	— 10	— 9	7	11	9	1	— 2	0	— 3	— 2	0	1	125
	20	— 12	— 14	— 7	2	4	0	— 3	0	1	1	— 3	0	133
	21	— 4	— 5	— 2	— 3	— 3	— 6	— 3	1	2	2	4	4	83
	22	7	— 3	— 1	— 3	1	2	0	1	3	0	2	2	85
	23	3	6	— 1	— 6	— 4	— 2	— 1	— 4	1	2	4	4	69
	24	1	— 2	— 3	— 2	— 1	— 2	— 4	— 3	— 1	0	3	2	56
	25	— 2	— 3	— 1	1	— 2	— 2	— 4	0	2	2	— 4	0	66
	26	4	0	2	— 1	2	1	— 1	— 4	— 1	— 1	0	1	49
	27	6	7	6	3	— 3	— 7	— 2	— 5	— 1	— 1	2	— 1	84
	28	9	9	1	— 1	2	— 2	— 2	5	1	0	4	4	75
	29	0	— 4	— 1	— 2	1	— 2	— 1	— 1	— 2	— 1	— 2	6	78
	30	4	0	— 3	— 5	— 8	— 4	— 3	0	1	2	1	4	96
Hourly Amount.	368	266	134	137	143	118	85	74	83	77	91	67	3728	

HORIZONTAL FORCE. D.

DEVIATIONS. — UNITY = 0.00001 C. G. S.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
SEPTEMBER.	1	— 3	— 1	2	4	6	8	0	— 5	— 2	3	7	7	—
	2	— 2	0	0	0	1	— 3	—14	— 3	— 9	—13	— 3	— 1	—
	3	— 4	— 2	— 6	— 1	1	— 2	— 4	— 3	—17	—23	—19	— 4	—
	4	— 4	—10	—11	—10	— 8	2	7	14	5	1	5	0	—
	5	— 1	2	3	6	9	11	10	7	5	— 2	— 4	— 5	—
	6	15	10	18	6	8	9	5	5	3	— 8	—11	—15	—
	7	0	11	9	10	9	13	17	15	12	8	9	— 7	—
	8	— 4	— 5	— 5	— 5	2	2	8	16	11	5	— 4	—15	—
	9	— 3	— 6	— 1	2	— 7	0	5	2	5	6	2	— 2	—
	10	— 4	— 4	— 2	0	— 4	3	— 1	4	— 4	7	— 1	1	—
	11	— 7	1	0	— 2	— 2	— 1	3	8	8	2	— 7	— 5	—
	12	2	0	1	2	2	2	0	3	4	9	4	— 5	—
	13	3	1	1	1	— 2	— 1	20	9	2	1	—22	—12	—
	14	— 7	— 6	— 5	1	0	— 4	2	1	7	5	4	0	—
	15	6	1	0	— 2	— 3	—11	— 5	— 3	2	3	3	1	—
	16	25	28	33	37	43	50	49	34	20	46	5	—36	—
	17	51	53	35	47	55	84	71	45	—25	—62	—78	—81	—
	18	8	3	1	— 2	0	— 1	1	3	7	6	0	— 4	—
	19	15	7	19	5	9	4	4	2	8	0	7	3	—
	20	— 8	— 4	— 7	0	— 2	2	2	— 1	2	9	12	11	—
	21	— 1	— 3	— 6	— 1	— 7	— 5	— 6	— 7	— 4	— 1	2	8	—
	22	— 3	— 2	— 3	— 3	— 4	— 1	0	2	7	6	11	1	—
	23	— 1	0	— 3	3	— 1	— 3	— 2	— 2	0	3	— 6	0	—
	24	3	1	— 1	0	1	— 2	— 1	0	3	— 3	— 4	— 4	—
	25	— 1	0	5	7	16	8	16	10	3	—18	—13	—17	—
	26	— 3	0	4	8	9	9	17	20	8	4	— 9	—11	—
	27	4	— 4	— 6	4	— 2	2	1	— 3	— 7	— 1	6	5	—
	28	— 2	— 5	— 4	— 3	0	2	— 2	— 7	— 6	—16	—15	8	—
	29	2	4	6	5	1	— 6	2	8	6	— 2	2	3	—
	30	0	3	4	2	3	— 1	— 1	— 1	— 3	— 9	— 5	— 1	—
Hourly Amount.		192	177	201	179	217	254	276	243	205	282	280	273	—
Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily Amount.
SEPTEMBER.	1	— 5	—15	—16	— 5	— 5	— 2	5	9	4	5	3	1	123
	2	5	23	14	17	12	1	— 2	—10	—12	— 3	— 7	5	162
	3	14	27	23	19	15	— 3	2	— 2	— 2	— 1	— 3	— 5	202
	4	— 3	— 3	— 2	— 1	— 3	9	3	0	4	8	5	6	124
	5	— 9	—17	—17	—16	—18	— 7	2	3	9	22	6	18	209
	6	—14	—17	—18	—21	—16	— 5	—10	—18	—18	—20	0	4	274
	7	—13	—12	— 8	— 1	1	7	9	6	— 5	— 9	— 4	— 7	202
	8	—16	— 9	— 5	— 8	— 1	1	6	4	— 1	5	— 3	2	143
	9	0	— 1	4	5	4	3	2	2	1	5	1	— 3	72
	10	— 5	— 1	1	— 5	— 7	1	— 2	4	6	6	— 2	— 4	79
	11	2	2	1	— 1	— 3	1	2	4	2	4	0	1	69
	12	— 8	—16	—12	— 1	0	2	1	— 1	— 2	0	— 2	— 1	80
	13	7	13	10	13	3	— 9	—17	— 1	— 6	—20	34	— 4	212
	14	— 5	— 4	— 5	— 8	— 8	1	4	6	2	5	2	6	98
	15	2	— 6	— 8	— 4	4	10	13	19	20	19	16	16	177
	16	—127	—127	—55	—24	—39	—66	—92	—47	—47	0	— 5	61	1096
	17	—81	—66	—34	—23	0	— 2	— 1	59	25	25	17	17	1037
	18	—11	—12	—15	— 9	— 4	— 4	— 2	— 1	— 5	— 6	24	11	140
	19	—12	8	7	— 6	—10	4	— 2	— 5	— 6	1	— 6	— 6	156
	20	— 5	— 9	— 6	— 1	— 6	2	1	3	1	1	5	0	100
	21	12	7	9	8	5	5	1	— 5	— 4	— 3	3	3	116
	22	— 6	—10	— 9	— 9	— 3	2	0	2	2	6	4	5	101
	23	2	— 4	— 1	3	4	3	0	5	2	— 4	— 6	— 2	60
	24	4	12	15	5	11	0	— 7	—10	— 1	— 3	— 6	5	102
	25	— 9	4	— 1	—14	—11	—12	— 7	— 2	2	— 4	1	0	181
	26	— 9	—19	—15	— 2	1	2	0	4	1	5	2	3	165
	27	1	— 1	— 2	5	10	3	4	4	4	1	2	0	82
	28	13	19	13	3	—23	— 8	6	— 9	—11	— 11	— 3	2	191
	29	— 1	— 5	—11	— 2	4	12	2	5	4	0	—10	—15	118
	30	— 7	—11	—10	—10	— 6	— 6	— 1	0	— 5	— 3	— 7	—13	112
Hourly Amount.		408	480	347	249	237	193	206	250	214	205	189	226	5983

VERTICAL FORCE. D.

DEVIATIONS. — UNITY = 0,00001 C. G. S.

Mean Batavia Time.	1 A. M.	2	3	4	5	6	7	8	9	10	11	12	--	
SEPTEMBER.	1	2	0	— 1	— 1	0	— 1	5	13	8	— 6	— 13	— 5	—
	2	7	9	10	11	12	12	17	— 13	— 12	0	— 3	9	—
	3	0	4	7	7	5	3	0	— 15	1	7	4	4	—
	4	— 6	— 3	— 3	— 5	— 6	— 17	— 20	— 14	3	7	0	9	—
	5	— 6	— 9	— 14	— 17	— 22	— 29	— 28	8	15	16	19	15	—
	6	1	2	0	4	— 3	— 12	— 7	— 1	12	9	— 6	— 1	—
	7	2	— 4	— 3	— 3	— 4	— 8	— 9	— 7	— 7	— 5	0	14	—
	8	2	4	5	2	— 3	— 7	— 6	— 9	1	2	5	12	—
	9	6	9	6	5	8	— 4	— 16	— 26	— 20	0	18	18	—
	10	4	2	— 1	— 4	— 4	— 10	— 5	1	9	7	9	4	—
	11	5	4	5	8	10	10	12	— 12	— 4	1	5	6	—
	12	0	— 2	— 1	— 5	— 6	— 9	— 6	— 2	2	— 6	— 7	0	—
	13	— 11	— 10	— 10	— 12	— 13	— 19	— 38	6	12	11	4	21	—
	14	0	— 3	— 5	— 8	— 7	— 5	— 3	22	12	14	5	0	—
	15	1	4	4	5	3	0	1	— 4	— 3	3	0	— 1	—
	16	— 13	— 17	— 23	— 24	— 28	— 34	— 36	— 20	1	11	22	34	—
	17	— 39	— 33	— 12	— 11	— 13	— 15	— 8	4	32	49	35	18	—
	18	0	3	5	5	5	5	9	— 3	— 6	— 5	— 5	4	—
	19	— 7	1	— 9	0	— 3	— 4	— 5	— 5	— 4	6	3	— 3	—
	20	5	4	4	1	— 1	— 4	— 1	8	10	9	0	— 5	—
	21	3	0	— 3	— 8	— 9	— 14	— 17	4	— 3	— 3	4	6	—
	22	— 5	— 4	— 7	— 7	— 10	— 8	— 11	3	— 2	— 7	— 1	10	—
	23	— 2	— 1	1	— 5	— 4	— 4	— 4	8	4	5	9	2	—
	24	7	12	15	15	16	15	11	— 12	— 18	— 4	9	8	—
	25	— 2	— 4	— 7	— 8	— 12	— 11	— 10	— 3	4	8	6	7	—
	26	0	— 3	— 6	— 11	— 12	— 13	— 17	— 5	— 1	— 2	7	10	—
	27	2	6	10	5	7	3	5	— 2	— 4	— 7	— 6	— 6	—
	28	— 3	0	1	2	0	— 1	6	4	3	5	9	— 2	—
	29	— 4	— 4	— 4	0	1	— 1	3	— 3	— 10	— 6	— 7	— 15	—
	30	— 2	— 8	— 10	— 12	— 13	— 12	— 3	13	10	8	5	4	—
Hourly Amount.	147	169	192	211	240	290	319	250	233	229	226	253	—	

Mean Batavia Time.	1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily Amount.	
SEPTEMBER.	1	3	10	2	— 10	— 6	— 2	— 7	— 5	— 1	— 3	1	5	110
	2	14	4	11	2	— 7	— 5	— 5	— 2	— 1	— 7	— 4	— 5	182
	3	— 10	— 17	— 17	— 4	— 1	10	11	11	4	0	— 2	— 2	146
	4	9	4	1	— 3	6	1	2	4	1	— 1	— 5	— 5	135
	5	13	11	3	2	3	3	2	3	1	— 3	5	8	255
	6	3	6	3	— 3	— 4	— 4	1	9	13	14	2	1	121
	7	16	— 3	— 14	— 17	— 14	— 6	— 3	5	6	8	3	4	165
	8	17	4	— 8	— 8	— 9	— 3	— 1	2	9	8	9	10	146
	9	7	— 9	— 11	— 12	— 6	— 1	— 4	— 5	— 6	— 8	— 4	— 2	202
	10	7	3	0	8	11	4	3	— 1	— 2	1	4	6	110
	11	6	— 7	— 18	— 17	— 8	— 4	— 3	— 2	— 2	— 1	0	— 2	152
	12	4	10	10	7	5	4	5	2	1	— 3	— 4	— 4	105
	13	9	— 1	— 4	— 5	6	15	19	8	7	15	— 13	1	270
	14	— 4	— 11	— 9	— 7	— 5	— 4	— 2	— 3	4	1	2	4	140
	15	1	— 4	— 9	— 5	— 4	— 3	— 5	— 4	— 7	— 5	— 7	— 8	91
	16	72	119	75	13	37	54	27	1	1	— 14	— 21	— 48	745
	17	9	— 3	— 24	— 32	— 24	— 17	— 7	— 31	— 10	— 2	— 1	2	431
	18	9	3	— 3	— 5	— 4	1	3	5	10	7	— 7	0	112
	19	6	— 5	— 7	— 6	3	4	5	4	3	1	2	4	100
	20	— 8	— 16	— 21	— 17	— 9	— 4	0	— 2	0	2	1	4	136
	21	10	5	0	0	5	7	5	6	3	2	— 3	— 4	121
	22	16	13	8	9	4	2	1	1	1	1	— 1	1	133
	23	— 9	— 10	— 3	1	— 2	— 1	— 3	— 6	— 6	0	5	7	102
	24	4	— 2	— 14	— 14	— 15	— 4	3	8	— 2	0	0	— 4	212
	25	2	— 4	— 2	8	8	7	0	— 1	— 2	3	3	3	125
	26	14	17	10	0	— 4	0	1	1	4	2	2	5	117
	27	— 2	— 3	4	— 7	— 7	— 1	— 1	— 1	— 2	0	— 2	1	94
	28	— 2	— 3	9	18	23	10	0	1	11	1	— 1	— 3	118
	29	13	— 7	— 1	— 6	— 9	— 10	— 2	— 2	— 2	0	3	4	117
	30	9	13	17	17	8	2	— 2	— 2	— 1	— 1	— 3	— 1	176
Hourly Amount.	308	327	318	263	257	193	133	138	123	114	120	158	5211	

DECLINATION. D.

DEVIATIONS. — UNITY = 0'.1.

Mean Batavia Time.		1 A.M.	2	3	4	5	6	7	8	9	10	11	12	
OCTOBER.	1	4	3	5	3	2	— 2	— 3	— 4	— 4	0	0	1	—
	2	0	0	— 1	— 1	— 1	— 1	— 2	— 3	— 8	— 11	— 6	— 4	—
	3	1	0	— 1	— 1	2	2	0	— 3	— 6	— 8	— 7	— 4	—
	4	— 3	0	— 1	1	2	4	3	0	— 1	— 5	— 6	— 2	—
	5	— 3	— 6	— 7	— 2	— 1	3	8	— 6	— 8	— 2	8	7	—
	6	— 3	— 5	1	5	8	4	— 1	5	1	— 3	— 5	— 9	—
	7	0	— 1	2	6	8	4	1	4	— 2	— 10	— 9	— 6	—
	8	2	0	0	— 2	— 1	— 8	— 9	— 9	— 3	3	5	9	—
	9	0	— 1	— 1	0	1	— 4	— 10	— 10	— 2	3	4	10	—
	10	2	1	1	— 1	— 2	— 5	— 9	— 7	— 7	— 3	— 1	— 5	—
	11	0	2	2	4	3	— 2	— 2	— 1	— 3	— 5	— 7	— 4	—
	12	2	4	1	0	— 1	— 11	— 12	— 6	0	1	0	2	—
	13	— 3	— 1	0	0	— 3	— 5	— 10	— 17	1	3	10	7	—
	14	— 2	0	0	— 4	— 7	— 12	— 15	— 2	1	9	5	5	—
	15	1	2	1	— 1	— 1	— 13	— 17	— 12	5	12	9	9	—
	16	— 12	— 13	— 11	— 4	— 2	0	— 4	— 13	— 1	10	21	21	—
	17	— 1	2	0	— 2	8	10	— 10	— 10	— 6	— 13	13	15	—
	18	1	— 1	— 1	— 2	— 4	— 5	— 11	— 8	— 5	3	4	15	—
	19	— 1	1	0	— 3	— 7	— 9	— 11	— 3	3	8	10	12	—
	20	— 4	— 7	— 1	— 3	— 5	— 11	— 12	— 6	— 1	7	9	13	—
	21	— 11	— 7	— 4	3	1	— 3	— 2	— 2	— 9	— 2	4	10	—
	22	1	1	0	0	— 2	— 7	— 20	— 2	1	0	7	14	—
	23	— 1	1	2	1	3	— 5	— 11	— 7	4	4	12	15	—
	24	— 2	— 3	— 3	— 6	— 6	— 11	— 9	2	9	5	8	11	—
	25	— 7	— 9	— 7	— 8	— 11	— 8	— 10	— 7	7	8	9	10	—
	26	0	— 3	— 7	— 8	— 7	— 9	— 11	— 9	— 7	2	10	12	—
	27	— 2	— 3	— 4	— 4	— 5	— 12	— 13	— 3	6	13	11	17	—
	28	— 7	— 7	— 4	— 6	— 6	— 7	— 7	2	7	4	4	9	—
	29	0	— 1	— 2	— 3	— 6	— 16	— 18	— 13	— 1	9	13	12	—
	30	0	0	— 3	— 5	— 9	— 16	— 18	— 5	5	14	18	15	—
	31	— 2	— 2	— 1	— 3	— 6	— 7	— 6	— 1	3	1	— 1	4	—
Hourly Amount.		78	87	74	92	130	216	275	182	127	181	236	289	—
Mean Batavia Time.		1 P.M.	2	3	4	5	6	7	8	9	10	11	12	Daily Amount.
OCTOBER.	1	9	7	— 2	— 1	1	3	— 4	— 1	1	1	2	1	64
	2	3	4	— 3	— 4	2	— 1	0	— 1	2	2	0	1	61
	3	5	6	0	— 4	— 2	2	2	1	2	1	2	0	61
	4	1	2	1	0	— 2	1	2	3	3	— 1	— 1	— 3	48
	5	10	10	1	2	— 1	— 2	— 1	— 3	— 2	— 3	— 3	— 9	108
	6	— 3	2	3	— 1	— 2	3	— 2	— 3	— 2	2	— 5	— 4	82
	7	0	— 4	1	— 1	0	3	— 3	4	4	1	1	2	77
	8	8	4	— 1	— 1	1	2	2	1	1	1	4	1	78
	9	8	2	— 3	— 9	— 4	1	1	1	4	1	4	4	88
	10	2	13	9	1	— 6	— 5	0	0	1	4	3	1	89
	11	0	2	— 4	— 7	— 3	1	3	2	3	5	6	0	71
	12	5	6	4	1	— 1	— 1	— 1	1	3	1	— 1	0	65
	13	8	11	4	4	— 3	— 2	0	0	0	— 4	— 3	— 3	102
	14	12	7	5	0	3	— 7	— 2	2	0	0	— 1	1	102
	15	10	4	2	1	1	— 2	— 1	1	— 3	— 3	— 1	— 11	123
	16	23	12	2	— 10	— 14	— 3	— 4	— 4	— 1	— 2	— 3	0	190
	17	— 2	— 4	— 11	— 10	1	5	5	4	4	3	3	1	143
	18	16	11	— 3	— 11	— 10	1	2	— 2	— 1	— 2	— 1	— 2	122
	19	9	7	2	1	— 2	1	1	2	2	2	— 7	— 7	111
	20	13	3	— 1	0	4	2	1	0	— 5	— 3	0	— 3	114
	21	11	5	2	— 5	— 5	— 3	1	2	0	1	0	1	94
	22	16	14	— 2	— 4	— 5	— 2	1	— 6	— 3	— 6	— 4	— 1	119
	23	7	0	— 3	— 3	— 3	— 2	— 4	— 3	— 5	— 1	0	— 1	101
	24	13	13	8	1	— 3	1	0	— 5	— 4	— 1	— 4	— 5	137
	25	8	3	1	1	6	9	8	7	5	— 1	2	1	157
	26	11	8	6	— 4	— 7	— 2	1	2	— 2	— 3	— 3	— 2	136
	27	11	7	5	0	— 2	— 1	1	— 3	— 6	— 5	— 6	— 7	147
	28	5	7	4	— 1	— 3	0	1	4	3	0	2	1	101
	29	8	0	— 5	— 1	— 1	— 2	4	4	2	1	0	3	125
	30	12	7	— 2	— 3	— 6	— 2	— 1	— 2	— 2	— 4	— 3	— 3	155
	31	5	4	4	2	2	1	1	0	1	— 2	— 1	0	60
Hourly Amount.		254	189	104	94	106	73	60	74	77	78	76	79	3231

HORIZONTAL FORCE.

DEVIATIONS. - UNITY == 0.00001 C. G. S.

Mean Batavia Time.	1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—	
OCTOBER.	1	8	7	12	9	6	4	1	2	1	4	11	16	—
	2	— 3	0	3	2	— 2	3	1	1	— 2	— 3	3	4	—
	3	— 4	— 2	— 3	— 2	1	0	1	6	9	8	12	0	—
	4	— 1	— 1	— 2	0	1	2	3	— 1	0	3	— 1	1	—
	5	— 8	— 4	— 2	— 4	6	10	9	34	19	4	— 9	5	—
	6	— 42	9	— 3	— 12	5	— 1	— 2	— 10	— 7	— 4	— 12	4	—
	7	5	4	— 5	— 2	— 6	— 1	— 3	— 10	— 12	— 6	0	— 7	—
	8	0	— 1	— 3	— 1	— 2	— 2	— 4	— 5	— 10	— 7	— 3	1	—
	9	1	7	3	— 1	— 3	— 6	— 11	— 10	— 8	0	6	7	—
	10	1	— 1	— 3	— 4	— 6	— 4	— 4	0	3	6	4	6	—
	11	— 1	— 5	— 4	— 3	— 6	— 6	— 6	— 2	0	1	4	3	—
	12	2	— 2	— 3	— 4	— 5	— 6	— 11	— 8	— 5	— 1	0	5	—
	13	— 1	— 3	— 6	0	— 2	3	— 3	— 9	— 17	— 7	— 2	8	—
	14	1	— 2	1	1	0	— 5	— 7	— 13	— 5	— 6	5	6	—
	15	2	— 2	1	— 3	— 5	— 9	— 3	— 6	— 9	— 4	11	16	—
	16	— 5	— 12	— 10	— 14	— 8	8	— 5	— 2	3	— 3	— 5	— 8	—
	17	22	13	17	0	— 7	39	20	— 1	7	— 12	— 27	— 16	—
	18	— 2	— 7	— 5	0	— 2	3	9	6	9	5	8	— 5	—
	19	4	17	11	9	1	— 1	4	6	11	12	3	— 6	—
	20	1	— 7	2	1	— 1	— 7	— 7	1	5	— 7	— 9	— 9	—
	21	5	3	7	— 2	— 7	— 11	— 8	— 10	— 4	0	3	2	—
	22	6	3	2	0	— 1	— 2	— 8	— 10	— 5	7	8	9	—
	23	1	1	0	1	0	6	4	7	5	2	— 2	— 6	—
	24	— 1	0	0	0	— 1	— 4	— 7	— 8	— 1	8	8	10	—
	25	1	1	— 2	— 4	— 4	— 7	— 9	— 9	— 13	— 5	— 5	— 2	—
	26	— 1	2	0	2	4	1	3	2	3	10	— 2	— 6	—
	27	0	2	1	2	5	3	3	— 7	— 11	0	3	4	—
	28	— 1	2	4	0	— 1	— 3	— 3	— 6	— 2	0	— 4	2	—
	29	— 2	— 4	— 3	— 1	— 3	— 2	— 3	— 2	— 1	7	9	7	—
	30	— 1	— 4	— 4	— 3	— 4	— 4	— 8	— 8	— 1	3	2	3	—
	31	1	0	— 1	— 3	— 3	— 4	— 7	— 11	— 9	— 4	— 8	— 8	—
Hourly Amount.	134	128	123	90	108	167	177	213	197	149	189	192	—	
Mean Batavia Time.	1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily Amount	
OCTOBER.	1	7	— 1	6	3	— 4	— 9	1	— 4	— 3	— 1	— 5	— 6	131
	2	5	— 1	— 1	2	— 1	1	4	3	1	1	— 1	0	48
	3	— 9	— 18	— 13	— 8	1	7	5	6	6	5	— 3	— 3	132
	4	— 6	— 14	— 13	— 9	0	5	4	1	— 1	1	— 7	— 9	86
	5	7	10	— 12	— 22	— 13	4	19	12	32	23	41	— 29	338
	6	— 8	— 8	— 10	— 15	4	— 4	8	16	22	6	4	12	228
	7	— 3	8	16	13	4	— 5	— 2	— 9	0	5	— 1	— 2	129
	8	9	13	12	11	5	1	— 5	10	2	1	— 9	— 5	122
	9	5	3	1	3	2	— 1	4	3	1	— 1	— 5	— 4	96
	10	0	1	1	1	1	4	1	3	1	2	3	3	63
	11	4	1	2	6	3	2	2	3	3	1	— 12	8	88
	12	10	11	8	0	— 1	— 2	— 3	5	6	6	1	1	106
	13	18	17	9	7	2	1	— 1	— 3	— 2	1	— 1	— 8	131
	14	3	2	— 1	3	— 11	5	1	7	— 6	— 1	— 1	— 2	95
	15	21	12	9	8	12	12	14	10	11	— 8	— 8	10	206
	16	— 18	— 23	— 17	— 11	— 2	0	5	5	4	8	10	27	213
	17	— 21	— 30	— 7	17	14	5	0	6	— 2	— 4	— 6	— 6	299
	18	— 12	— 18	0	5	8	— 8	— 32	— 31	— 19	— 8	— 9	4	215
	19	10	6	6	— 1	— 1	— 3	7	2	2	— 6	6	12	147
	20	— 1	4	9	5	5	0	— 11	— 11	7	6	— 3	11	130
	21	4	4	4	3	2	— 3	1	6	5	— 2	7	7	110
	22	1	— 12	0	7	2	— 11	— 14	— 15	— 17	— 7	1	3	151
	23	— 4	4	6	0	1	— 3	0	3	6	6	1	— 1	70
	24	11	— 3	5	5	2	— 4	— 6	— 1	2	1	— 2	4	94
	25	6	14	16	17	15	3	4	3	— 4	— 1	— 5	— 5	155
	26	— 4	3	— 25	— 20	1	3	2	— 9	— 4	5	6	6	124
	27	5	6	11	8	3	1	— 1	— 1	— 4	— 6	— 11	— 9	107
	28	4	0	2	5	3	— 3	— 1	— 4	— 1	5	— 2	— 3	61
	29	4	2	2	2	1	0	0	2	2	0	— 2	— 1	62
	30	6	15	13	8	4	0	0	4	3	4	1	2	105
	31	— 4	1	5	5	1	— 2	— 2	— 1	— 3	— 7	— 10	— 7	107
Hourly Amount.	230	265	242	230	129	112	160	199	182	139	184	210	4149	

VERTICAL FORCE. D.
DEVIATIONS. — UNITY = 0.00001 C. G. S.

Mean Batavia Time.	1 A.M.	2	3	4	5	6	7	8	9	10	11	12	—	
OCTOBER.	1	— 6	— 3	— 4	1	4	5	3	3	— 1	1	0	— 2	—
	2	— 2	— 2	— 4	— 4	— 3	— 4	— 1	4	10	10	3	— 13	—
	3	4	3	3	2	— 1	2	4	2	5	4	0	— 2	—
	4	— 1	— 2	— 4	— 6	— 8	— 9	— 7	3	4	1	— 2	— 5	—
	5	3	2	1	— 1	— 6	— 14	— 15	— 23	— 12	— 5	8	10	—
	6	36	0	3	3	— 3	2	3	— 12	— 8	— 5	12	1	—
	7	4	3	2	— 1	— 2	— 1	5	10	7	7	— 3	— 9	—
	8	0	2	2	5	4	9	9	— 5	— 4	— 3	1	2	—
	9	— 4	— 5	1	5	7	13	15	5	— 4	— 10	— 13	— 14	—
	10	— 6	— 3	1	2	4	7	8	30	25	19	2	— 16	—
	11	0	3	5	5	8	11	14	6	4	8	3	— 7	—
	12	— 2	1	5	7	10	17	14	8	— 2	— 4	— 3	— 8	—
	13	— 3	2	4	7	11	14	19	1	1	— 1	4	3	—
	14	— 3	— 2	— 1	1	3	10	11	8	4	8	7	0	—
	15	— 6	— 2	— 3	1	2	5	2	0	— 5	— 3	— 10	— 24	—
	16	— 4	— 4	— 5	— 9	— 9	— 15	0	26	13	1	— 9	— 6	—
	17	— 11	— 3	— 2	8	13	— 11	11	21	5	— 4	4	4	—
	18	5	6	3	3	2	4	6	— 5	1	— 6	— 18	— 9	—
	19	— 5	— 13	— 10	— 7	— 4	— 3	— 9	— 12	— 10	— 11	— 6	5	—
	20	8	10	6	6	9	20	25	— 1	— 5	— 5	— 4	0	—
	21	0	5	3	1	0	2	2	8	2	— 7	— 9	— 5	—
	22	— 6	— 2	— 1	— 2	— 1	2	— 2	— 10	— 9	— 8	— 2	5	—
	23	— 6	— 5	— 5	— 4	— 4	— 2	— 2	— 16	— 14	— 8	— 3	— 4	—
	24	— 2	— 1	— 2	— 1	0	2	— 3	— 6	— 15	— 15	— 7	— 1	—
	25	— 1	— 1	— 1	3	4	6	10	4	7	— 2	— 5	— 5	—
	26	— 1	— 2	— 2	— 2	— 3	1	4	22	12	— 2	— 3	— 1	—
	27	— 2	— 1	1	3	4	11	7	0	3	— 6	— 7	— 4	—
	28	— 1	— 2	— 3	— 2	2	5	5	7	4	— 2	1	— 7	—
	29	— 7	— 4	— 2	0	3	11	7	0	— 8	— 10	— 3	— 1	—
	30	1	3	4	4	5	10	5	— 2	— 1	3	6	6	—
	31	— 3	— 5	— 5	— 7	— 8	— 7	— 11	— 2	3	6	7	1	—
Hourly Amount.	143	102	98	113	147	235	239	262	208	185	165	180	—	
Mean Batavia Time.	1 P.M.	2	3	4	5	6	7	8	9	10	11	12	Daily Amount	
OCTOBER.	1	— 4	0	— 7	— 5	1	6	4	5	4	2	4	3	78
	2	— 15	— 13	— 14	— 13	— 8	— 4	— 4	1	3	2	3	2	142
	3	— 3	11	15	13	1	— 7	— 4	— 5	— 3	— 1	2	4	101
	4	0	11	16	12	— 2	— 6	— 5	— 2	— 1	— 1	3	3	114
	5	9	10	21	23	15	— 6	— 13	— 12	— 20	— 10	— 7	23	269
	6	0	— 4	— 1	0	— 9	— 6	— 9	— 10	— 11	— 5	2	— 7	152
	7	— 1	1	1	4	6	4	7	4	0	— 2	1	3	88
	8	0	0	— 1	1	— 1	— 1	0	— 6	— 1	0	4	3	64
	9	— 6	— 2	7	6	0	— 1	— 5	— 8	— 6	— 6	— 5	— 4	152
	10	— 25	— 16	0	14	7	0	— 2	— 5	— 2	— 2	— 3	0	199
	11	— 11	— 11	— 7	— 8	— 3	— 2	— 6	— 8	— 7	— 3	6	— 3	149
	12	— 7	— 5	— 5	— 1	3	3	— 1	— 4	— 7	— 6	— 1	1	125
	13	— 10	— 18	— 13	— 11	— 9	— 4	— 3	— 4	— 7	— 8	— 7	— 3	167
	14	— 6	— 3	— 1	5	13	3	— 2	— 3	5	1	2	1	103
	15	— 14	— 2	3	7	6	1	— 1	0	— 1	7	1	— 6	112
	16	7	18	13	9	0	— 7	— 6	— 3	— 1	— 2	— 2	— 10	179
	17	14	10	— 5	— 20	— 18	— 9	1	6	9	12	11	10	222
	18	3	13	13	6	— 5	— 5	12	14	3	— 1	— 4	— 12	159
	19	5	7	4	2	— 1	0	— 3	— 2	1	8	7	5	138
	20	1	2	— 8	— 13	— 15	— 10	— 4	0	— 8	— 6	— 5	— 10	181
	21	3	9	4	4	3	5	3	0	1	4	1	1	82
	22	3	12	14	11	10	11	9	9	8	0	— 7	— 8	152
	23	5	5	6	10	9	5	2	0	— 2	— 1	0	— 1	119
	24	0	4	3	0	5	6	6	4	0	— 1	0	— 5	89
	25	— 4	— 2	— 5	— 2	— 5	— 4	— 2	— 2	0	— 2	— 1	— 1	79
	26	— 7	2	18	16	— 1	— 4	— 3	6	3	3	2	1	121
	27	— 10	— 5	— 7	— 9	— 5	— 2	0	2	6	5	4	2	106
	28	1	5	8	9	9	6	0	1	— 3	— 6	— 3	— 3	95
	29	— 6	0	— 2	— 5	— 3	— 4	— 4	— 2	0	0	3	0	85
	30	— 17	— 13	— 3	7	4	0	— 3	— 3	— 4	— 5	— 5	— 4	118
	31	1	— 3	— 1	7	5	5	2	0	0	2	2	— 2	95
Hourly Amount.	198	217	226	253	182	137	126	131	127	112	108	141	4035	

DECLINATION. D.
DEVIATIONS. — UNITY = 0'.1

Mean Batavia Time.	1 A.M.	2	3	4	5	6	7	8	9	10	11	12	—	
NOVEMBER.	1	2	1	2	0	0	5	7	3	2	— 5	— 11	— 9	—
	2	— 11	— 23	— 21	— 11	— 12	— 1	8	10	15	12	8	4	—
	3	2	0	5	1	2	6	2	— 8	— 10	1	— 11	5	—
	4	— 4	— 5	— 4	— 1	— 1	10	10	6	2	1	4	13	—
	5	— 2	0	2	7	8	8	7	— 4	— 5	— 7	— 5	— 7	—
	6	— 1	— 3	— 1	0	— 1	— 1	5	— 4	— 1	1	9	11	—
	7	— 2	— 2	— 1	0	1	— 2	— 1	— 2	— 8	— 2	10	11	—
	8	2	0	3	4	4	2	2	— 6	— 9	— 6	3	9	—
	9	4	3	1	5	6	5	6	— 2	— 9	— 11	— 7	— 1	—
	10	— 3	— 3	2	4	1	1	0	— 2	— 3	— 4	— 4	— 1	—
	11	— 2	— 3	— 3	— 4	— 6	— 10	— 1	7	10	9	15	10	—
	12	— 3	— 3	1	3	2	7	7	7	1	— 7	— 12	— 6	—
	13	— 8	— 5	— 3	— 1	3	— 2	5	6	3	3	10	16	—
	14	— 5	— 5	— 5	— 6	— 6	— 5	3	8	11	11	16	17	—
	15	— 2	— 6	— 6	— 6	— 8	— 12	— 8	— 2	12	16	25	26	—
	16	1	2	0	0	— 2	— 2	— 7	— 12	— 11	— 4	6	11	—
	17	4	3	2	— 1	— 2	0	— 5	— 8	— 7	— 4	1	4	—
	18	8	6	4	4	3	2	— 3	0	— 10	— 13	— 16	— 7	—
	19	6	8	7	6	1	2	3	— 5	— 8	— 11	— 13	— 9	—
	20	3	3	1	9	2	21	6	14	0	— 12	— 15	— 18	—
	21	— 4	0	6	8	6	2	— 1	— 3	— 8	— 8	3	— 4	—
	22	5	1	6	8	8	5	11	12	— 10	— 7	— 5	— 21	—
	23	— 13	— 8	— 11	0	2	2	10	3	10	6	— 2	— 4	—
	24	— 1	— 2	— 6	— 10	— 8	3	— 7	0	4	1	2	5	—
	25	— 2	— 4	— 7	— 6	— 5	— 8	1	8	8	18	19	24	—
	26	1	0	— 2	— 1	— 1	— 9	— 6	— 5	— 4	— 1	1	5	—
	27	0	1	1	— 4	— 6	— 12	— 9	— 2	5	16	16	12	—
	28	— 1	— 5	— 8	— 10	— 11	— 15	— 10	0	14	22	29	19	—
	29	— 6	— 3	— 6	— 5	— 6	— 14	— 1	9	15	23	29	28	—
	30	— 1	— 1	— 2	— 5	— 5	— 14	— 15	— 13	4	20	24	25	—
Hourly Amount.	109	109	129	130	129	188	167	171	219	262	331	342	—	
Mean Batavia Time.	1 P.M.	2	3	4	5	6	7	8	9	10	11	12	Daily Amount.	
NOVEMBER.	1	2	13	17	7	3	2	0	0	2	1	— 1	— 4	99
	2	5	7	10	10	6	2	— 8	— 8	— 2	— 5	— 6	— 11	216
	3	3	— 10	— 9	4	10	10	— 1	— 2	— 10	— 8	— 6	— 5	131
	4	11	8	3	4	— 4	— 8	— 10	— 8	— 9	— 9	— 7	— 3	145
	5	— 4	— 4	— 2	2	4	4	3	0	— 2	— 3	— 3	— 1	94
	6	13	5	0	— 4	0	— 1	— 2	— 2	— 3	— 2	— 3	— 3	76
	7	9	7	0	— 5	— 6	— 1	— 2	— 3	— 2	— 3	1	0	81
	8	7	0	— 1	— 2	— 3	— 4	— 3	— 4	— 3	— 2	— 2	1	82
	9	— 2	2	3	0	1	2	1	0	— 2	— 1	— 2	— 2	78
	10	— 1	— 2	2	5	5	— 3	— 1	1	1	2	0	— 1	52
	11	10	9	1	4	1	1	— 1	— 5	— 7	— 8	— 6	— 4	137
	12	— 4	0	3	4	— 1	0	— 1	— 1	— 5	— 3	0	— 1	82
	13	5	2	0	— 4	— 2	— 3	— 3	— 3	— 5	— 4	— 3	— 3	102
	14	13	9	3	0	— 7	— 7	— 6	— 5	— 4	— 3	— 2	— 4	161
	15	19	5	— 4	— 10	— 11	— 9	— 6	— 4	— 1	1	1	3	203
	16	6	3	— 2	— 7	— 8	0	3	1	1	3	3	3	98
	17	8	4	1	0	— 2	— 5	1	1	2	2	3	7	77
	18	— 2	1	— 7	— 6	0	3	2	4	5	5	3	4	118
	19	— 7	— 8	— 3	2	5	3	0	1	1	1	5	0	115
	20	— 17	0	13	19	19	— 6	1	— 5	— 12	— 13	0	— 9	218
	21	— 4	— 7	— 5	1	4	1	— 3	— 3	— 3	0	2	— 4	90
	22	— 3	— 1	13	4	7	15	12	3	1	— 15	— 15	— 9	197
	23	— 15	— 6	— 5	4	7	4	9	5	6	3	2	1	138
	24	0	— 7	— 4	— 3	0	2	2	— 1	0	1	0	— 3	72
	25	17	4	— 6	— 13	— 9	— 6	— 6	— 4	— 3	1	2	2	183
	26	5	3	0	— 3	— 2	0	0	1	3	4	3	0	60
	27	1	— 2	— 7	— 7	— 2	— 2	7	5	6	1	3	0	127
	28	8	— 2	— 6	— 9	— 8	— 7	— 4	— 7	— 3	— 6	— 7	— 7	218
	29	16	— 5	— 13	— 13	— 9	— 5	— 3	— 3	— 1	— 1	2	2	218
	30	18	5	— 4	— 11	— 13	— 6	— 6	— 5	— 1	2	4	2	206
Hourly Amount.	235	141	147	167	159	122	107	95	106	113	97	99	3874	

HORIZONTAL FORCE. D.

DEVIATIONS. — UNITY = 0.00001 C. G. S.

Mean Batavia Time.	1 A.M.	2	3	4	5	6	7	8	9	10	11	12	—	
NOVEMBER.	1	6	4	2	1	0	0	— 2	1	5	12	11	12	—
	2	22	24	13	—11	—11	26	12	— 8	— 6	—13	—12	— 8	—
	3	29	27	33	31	20	11	49	— 9	—16	—36	—28	—51	—
	4	2	5	3	— 5	1	— 4	— 4	— 2	— 1	—17	—14	—11	—
	5	— 3	— 8	— 3	— 8	— 5	— 1	1	— 5	— 8	—12	—12	—10	—
	6	— 2	12	— 3	— 7	— 6	— 8	—15	— 8	—13	0	4	8	—
	7	2	5	0	— 5	— 3	0	— 2	— 6	— 8	— 8	0	10	—
	8	— 2	— 2	— 3	— 2	— 2	— 4	— 4	5	5	7	— 1	1	—
	9	— 2	— 3	— 8	— 9	— 8	— 5	— 1	— 5	— 7	— 7	— 3	— 4	—
	10	— 1	— 2	— 1	— 5	— 5	— 7	—10	— 7	— 8	— 7	— 7	1	—
	11	— 2	0	3	— 2	— 1	2	— 6	— 6	— 5	— 2	— 7	— 3	—
	12	— 2	2	2	7	1	3	1	3	5	9	4	— 5	—
	13	3	11	3	4	3	— 3	— 2	— 3	4	3	— 2	— 2	—
	14	— 1	3	4	4	7	10	9	10	10	3	— 4	— 9	—
	15	— 2	— 3	— 2	— 7	— 2	— 4	— 6	— 9	— 2	1	— 3	— 2	—
	16	— 1	— 5	— 3	— 2	0	0	3	5	— 1	0	— 3	0	—
	17	5	3	2	— 1	0	— 2	— 6	1	— 5	— 5	— 4	3	—
	18	— 9	— 2	— 3	— 6	— 6	0	3	— 2	1	— 3	— 5	0	—
	19	— 3	— 5	— 5	1	— 1	6	3	0	3	7	12	0	—
	20	5	12	17	14	31	16	17	— 5	— 8	0	6	—18	—
	21	—13	—10	1	— 1	4	10	8	6	5	3	—15	— 9	—
	22	3	4	16	20	16	27	28	11	29	—20	—27	—12	—
	23	29	58	54	37	49	32	29	25	— 1	—23	—32	—40	—
	24	5	5	10	25	12	— 2	11	15	11	13	0	0	—
	25	— 3	— 5	— 6	— 7	— 7	— 6	— 4	— 1	7	5	7	4	—
	26	— 3	— 6	— 5	— 4	— 3	— 4	— 3	— 4	— 1	— 1	— 3	— 2	—
	27	2	2	5	6	12	15	12	4	8	5	— 2	— 8	—
	28	—10	— 5	1	4	9	9	11	6	2	1	— 7	— 2	—
	29	8	— 2	1	— 1	— 4	— 1	9	6	6	12	10	2	—
	30	4	3	1	— 1	— 2	0	— 1	4	9	5	— 5	— 9	—

Hourly Amount.	184	238	213	238	231	218	272	182	200	240	250	246	—
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Mean Batavia Time.	1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily Amount.	
NOVEMBER.	1	9	3	5	4	7	4	6	9	10	16	1	20	150
	2	—10	—20	—37	—45	—48	—17	— 2	5	0	2	— 1	29	382
	3	—57	—15	— 8	12	79	—18	—21	—11	1	3	3	5	573
	4	— 2	2	8	48	36	13	5	—18	—15	— 2	— 2	— 2	222
	5	14	13	13	15	13	0	— 5	— 4	2	1	5	0	161
	6	6	13	10	3	4	3	2	2	0	2	1	0	132
	7	9	6	0	1	— 7	— 3	— 2	0	0	1	— 2	0	80
	8	— 1	1	— 2	3	— 1	1	2	3	4	3	— 5	— 1	65
	9	5	11	11	5	2	3	5	8	8	6	3	0	129
	10	— 1	5	9	5	3	2	1	1	1	— 2	— 1	— 8	100
	11	8	5	25	0	1	— 1	— 1	— 6	2	7	2	5	102
	12	— 1	— 1	0	— 3	— 1	0	— 4	— 6	— 4	0	— 4	— 4	72
	13	— 5	— 3	0	3	0	1	4	— 3	— 5	0	— 6	— 8	81
	14	—10	— 2	— 3	— 5	— 9	—11	— 1	1	4	1	— 4	0	125
	15	3	9	8	7	5	3	0	1	0	— 1	— 1	— 3	84
	16	1	4	4	1	— 6	— 8	— 4	— 2	1	4	4	1	63
	17	4	9	10	6	— 6	— 7	— 4	1	1	3	3	— 2	93
	18	— 3	5	7	2	3	3	5	2	4	4	1	— 1	80
	19	—11	— 7	— 3	— 3	— 2	— 1	1	— 1	2	1	0	1	79
	20	— 6	16	— 5	—14	— 9	2	— 7	— 8	5	3	—37	—33	294
	21	—12	— 8	0	2	9	16	22	19	25	23	15	5	241
	22	7	2	—19	—16	—37	—63	—78	—62	—60	—72	26	29	684
	23	—47	—31	—33	—20	—14	— 9	—10	11	8	7	9	7	615
	24	— 5	— 8	— 7	—11	— 4	3	6	1	0	1	0	— 4	159
	25	1	— 3	1	7	17	6	5	7	7	— 2	— 2	— 6	126
	26	— 1	— 5	0	2	3	3	2	2	2	— 1	— 7	— 2	69
	27	—16	— 4	— 3	— 2	— 3	10	12	15	—17	—41	—14	— 8	226
	28	1	0	— 2	1	6	3	— 4	—13	—10	0	0	— 5	112
	29	— 5	— 6	0	2	— 2	— 6	— 1	— 3	1	0	1	0	89
	30	—11	—10	—12	—11	— 7	— 2	1	— 1	— 2	— 4	— 9	— 6	120

Hourly Amount.	272	227	245	255	344	222	223	226	201	213	169	195	5508
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VERTICAL FORCE. D.

DEVIATIONS. — UNITY = 0.00001 G. C. S.

Mean Batavia Time.	1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—	
NOVEMBER.	1	0	— 1	— 3	— 4	— 8	— 9	— 6	— 4	11	8	0	— 3	—
	2	— 8	0	— 1	9	2	— 18	1	5	1	— 4	— 10	— 6	—
	3	— 19	— 16	— 20	— 18	— 11	0	— 17	7	20	14	10	9	—
	4	— 6	— 8	— 8	— 6	— 7	— 12	— 14	— 2	— 5	2	— 7	— 4	—
	5	2	3	— 2	— 3	— 6	— 6	— 4	— 5	— 1	— 3	— 3	5	—
	6	— 2	— 4	2	7	6	1	5	14	14	8	— 4	— 22	—
	7	2	0	— 1	2	2	3	4	9	6	— 8	— 6	— 11	—
	8	3	5	7	9	12	12	13	— 16	16	0	— 18	— 7	—
	9	— 19	— 19	— 21	— 22	— 25	— 27	— 12	10	34	33	16	9	—
	10	2	2	1	1	3	6	4	28	17	7	— 4	— 20	—
	11	1	1	1	2	1	— 7	— 17	— 5	— 16	— 16	— 1	4	—
	12	1	0	0	— 1	2	2	1	— 5	— 2	— 1	1	1	—
	13	1	— 7	— 5	— 6	— 4	3	5	17	12	4	0	— 10	—
	14	— 3	— 2	— 2	1	3	3	4	3	2	— 2	— 9	— 8	—
	15	— 1	4	7	12	13	14	9	10	3	— 12	— 18	— 17	—
	16	— 2	— 2	— 4	— 5	— 6	— 3	0	20	18	— 1	— 5	— 4	—
	17	8	13	18	25	25	31	36	— 21	— 18	— 12	3	7	—
	18	2	— 1	0	2	0	0	3	11	17	8	— 1	— 11	—
	19	11	9	9	4	5	3	7	1	0	0	— 6	— 4	—
	20	— 7	— 10	— 10	— 7	— 14	— 10	1	28	34	21	6	9	—
	21	14	6	— 3	— 1	0	6	8	5	— 1	— 4	0	0	—
	22	7	10	7	6	11	8	5	— 10	— 18	16	16	29	—
	23	— 55	— 34	— 24	— 12	— 13	1	6	— 9	— 3	15	19	27	—
	24	— 9	— 8	— 9	— 13	— 10	— 8	— 21	— 17	— 15	— 3	5	9	—
	25	4	5	6	6	5	1	— 10	— 11	— 11	— 11	— 5	3	—
	26	1	2	2	2	2	7	4	2	— 7	— 5	— 3	3	—
	27	— 3	— 3	— 2	— 3	— 5	— 8	— 11	— 16	— 18	— 7	6	16	—
	28	— 4	— 5	— 2	— 2	— 2	1	— 5	— 5	— 10	— 19	— 12	— 2	—
	29	— 6	— 3	— 4	— 3	— 3	— 4	— 16	— 20	— 24	— 13	— 3	14	—
	30	— 3	— 4	— 1	— 1	0	6	0	— 4	— 14	— 12	0	3	—
Hourly Amount.	206	187	182	195	206	220	249	320	368	269	197	277	—	

Mean Batavia Time.	1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily Amount	
NOVEMBER.	1	— 7	— 8	0	7	7	8	5	2	1	— 1	7	— 1	111
	2	— 2	3	23	22	18	— 1	— 1	— 2	0	2	2	— 13	154
	3	11	2	— 8	— 9	3	10	20	8	1	4	2	— 2	241
	4	1	10	7	— 11	— 7	2	3	15	15	5	4	2	163
	5	— 3	5	14	12	8	9	6	6	2	— 2	— 4	— 3	117
	6	— 11	— 8	— 11	— 11	— 9	— 2	1	0	1	2	4	4	153
	7	— 3	— 1	6	0	6	4	4	2	0	1	3	4	88
	8	1	2	0	2	3	4	— 3	— 8	— 11	— 13	— 14	— 20	199
	9	12	3	— 1	— 5	2	— 1	1	— 1	— 3	— 1	1	3	281
	10	9	0	— 3	— 4	— 7	— 4	— 6	— 3	— 2	0	1	6	140
	11	— 2	— 3	— 4	— 2	0	6	9	9	2	— 2	— 3	— 2	116
	12	0	1	— 2	2	2	2	4	5	3	— 3	— 1	— 1	43
	13	— 9	— 4	— 6	— 1	0	— 1	— 1	3	5	0	4	4	112
	14	— 8	— 4	3	8	5	4	1	— 1	— 2	1	4	3	86
	15	— 12	— 8	— 4	— 4	— 4	— 4	— 3	— 3	0	0	1	— 3	166
	16	3	9	10	15	10	— 2	— 7	— 9	— 6	— 3	— 1	5	150
	17	— 13	— 12	— 17	— 16	— 14	— 8	— 6	— 10	— 8	— 1	— 3	0	328
	18	— 20	— 25	— 18	— 17	— 9	— 4	— 1	0	1	3	7	7	168
	19	2	2	— 1	— 4	— 4	— 2	1	— 1	— 5	— 5	— 2	— 4	92
	20	4	— 27	— 19	— 7	— 6	1	— 5	5	2	4	21	19	277
	21	1	— 9	— 12	— 18	— 21	— 16	— 12	— 8	— 11	— 8	— 3	6	173
	22	— 6	— 3	11	21	33	67	44	28	26	5	— 32	— 43	462
	23	27	8	7	2	— 1	— 1	— 2	— 6	— 5	— 5	— 5	— 6	293
	24	9	4	— 1	1	— 6	— 5	0	5	4	4	4	7	177
	25	7	8	4	4	— 1	0	2	— 1	— 1	4	3	3	116
	26	0	3	4	3	— 4	— 3	1	1	0	2	5	2	68
	27	24	18	16	11	8	1	— 1	— 2	9	23	9	— 3	223
	28	— 4	1	2	4	— 3	— 1	5	12	10	2	1	4	118
	29	25	30	21	11	0	2	1	— 2	4	— 2	— 3	— 3	217
	30	4	7	2	3	— 2	— 7	— 3	— 1	— 3	— 1	4	5	90
Hourly Amount.	240	228	237	237	203	182	159	159	143	112	158	188	5122	

DECLINATION. D.

DEVIATIONS. — UNITY = 0'.1.

Mean Batavia Time.	1 A.M.	2	3	4	5	6	7	8	9	10	11	12	—	
DECEMBER.	1	5	6	2	4	2	1	— 9	— 14	— 6	1	9	6	—
	2	— 6	— 3	0	— 1	— 4	— 10	— 14	3	1	6	8	4	—
	3	0	2	3	5	10	6	— 7	— 13	— 9	— 4	7	6	—
	4	4	3	4	5	4	— 3	— 3	— 2	— 2	— 1	4	7	—
	5	2	3	3	4	5	5	— 2	— 3	— 3	— 3	— 7	— 10	—
	6	0	2	2	5	2	7	7	4	— 3	— 11	— 19	— 20	—
	7	0	— 1	0	1	2	6	3	— 4	— 5	— 9	— 12	— 12	—
	8	1	2	3	5	4	9	5	— 2	— 3	— 4	— 12	— 10	—
	9	5	4	5	— 4	— 2	2	— 4	— 1	2	— 10	— 22	— 18	—
	10	— 8	— 8	— 1	0	1	2	1	4	4	— 2	— 10	— 12	—
	11	2	— 3	— 3	— 4	— 3	— 4	5	— 3	1	— 3	— 15	— 16	—
	12	0	3	1	— 1	— 1	— 2	— 8	— 7	— 7	4	3	— 7	—
	13	4	5	4	5	8	6	— 7	— 12	— 8	— 2	6	9	—
	14	2	— 1	— 3	— 5	— 4	— 10	— 14	— 7	7	17	22	16	—
	15	3	7	3	3	3	— 7	— 10	— 16	— 5	— 2	— 1	— 1	—
	16	1	5	4	3	5	9	2	— 3	— 3	— 9	— 9	— 12	—
	17	7	3	3	4	3	5	— 1	— 7	— 11	— 10	— 6	— 2	—
	18	7	8	4	8	2	21	15	10	0	— 10	— 35	— 39	—
	19	4	7	2	6	5	13	14	14	— 1	— 15	— 32	— 34	—
	20	— 2	— 1	2	3	4	7	4	2	— 1	— 10	— 14	— 8	—
	21	— 2	— 4	— 2	— 7	— 6	5	14	17	11	— 7	— 19	— 14	—
	22	— 4	— 6	— 7	— 2	— 1	11	23	19	10	— 6	— 9	— 18	—
	23	— 4	— 5	— 3	— 2	— 1	4	21	24	20	4	— 11	— 19	—
	24	4	2	3	4	3	2	6	5	3	— 1	— 12	— 31	—
	25	0	— 2	— 2	— 3	— 2	— 1	2	0	— 1	— 2	— 9	0	—
	26	— 4	1	0	1	4	4	— 3	1	— 5	— 5	— 12	— 5	—
	27	1	1	1	3	3	0	— 3	— 7	— 3	— 1	— 2	— 1	—
	28	— 5	— 5	— 2	— 2	— 7	— 7	— 15	— 1	3	17	18	13	—
	29	0	— 2	— 4	— 4	— 5	— 10	— 10	— 2	3	14	21	24	—
	30	3	2	0	0	— 1	— 8	— 10	— 10	2	8	17	21	—
	31	2	2	3	3	3	— 3	— 11	— 19	— 11	— 1	7	12	—

Hourly Amount.	92	109	79	107	110	190	253	236	154	199	390	407	—
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Mean Batavia Time.	1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily Amount.	
DECEMBER.	1	— 1	3	3	4	— 4	0	0	1	— 2	— 1	— 1	1	86
	2	5	5	0	0	— 2	— 4	— 2	— 2	— 5	— 2	— 1	— 1	91
	3	1	0	— 3	— 1	— 5	— 3	— 2	— 1	— 1	— 1	1	3	94
	4	6	8	3	— 4	— 8	— 8	— 7	— 6	— 3	— 3	— 2	1	101
	5	— 3	9	9	5	— 1	1	1	0	— 1	1	1	1	83
	6	— 10	4	12	9	7	1	0	— 1	0	— 1	— 2	0	129
	7	— 8	0	6	13	7	2	2	2	2	2	0	1	100
	8	— 9	— 11	— 2	4	5	2	4	4	4	6	6	6	123
	9	— 9	5	5	8	11	6	2	3	— 1	1	2	— 1	133
	10	— 9	— 1	1	6	12	7	3	3	6	3	4	3	111
	11	— 8	— 6	3	13	12	6	3	0	1	0	— 2	0	116
	12	— 5	— 5	0	8	6	1	1	1	2	2	0	2	77
	13	2	— 6	— 9	— 7	— 3	— 2	3	4	2	1	4	4	123
	14	8	— 5	— 6	— 3	2	— 4	— 1	0	— 2	— 2	2	1	144
	15	— 2	— 5	— 3	1	1	1	0	1	2	3	3	3	86
	16	— 6	1	— 3	— 5	— 5	0	3	6	6	6	7	6	119
	17	— 1	6	3	0	— 3	— 3	— 2	1	1	5	3	5	95
	18	— 34	— 18	— 3	6	9	5	6	8	9	9	5	3	274
	19	— 28	— 14	— 3	8	15	8	6	6	3	5	2	3	248
	20	— 12	— 6	0	6	10	5	6	3	2	— 2	0	0	110
	21	— 13	— 11	0	4	7	10	7	4	2	— 1	— 1	— 4	172
	22	— 17	— 12	— 1	3	0	3	7	4	0	— 1	— 3	— 4	171
	23	— 15	— 7	— 1	— 2	— 6	— 2	3	6	6	5	6	5	182
	24	— 24	— 20	— 8	3	7	8	11	8	8	8	5	3	189
	25	8	5	4	— 3	4	— 1	1	3	1	— 5	1	— 3	63
	26	6	9	5	0	— 3	1	— 4	1	2	2	2	1	81
	27	6	8	— 4	— 3	2	2	7	3	0	0	— 4	— 4	69
	28	10	2	— 5	— 5	— 8	2	— 5	— 7	— 4	— 3	— 3	— 1	150
	29	16	6	1	— 9	— 10	— 7	— 6	— 8	— 6	— 2	0	2	172
	30	12	6	3	1	— 6	— 7	— 10	— 7	— 3	— 1	— 1	— 1	140
	31	10	— 2	— 4	— 6	— 4	— 1	3	2	1	3	3	2	118

Hourly Amount.	304	206	113	150	185	113	120	106	88	87	77	75	3950
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HORIZONTAL FORCE. D.

DEVIATIONS. — UNITY = 0.00001 C. G. S.

Mean Batavia Time.	1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—	
DECEMBER.	1	9	8	5	4	5	— 2	0	4	5	4	4	8	—
	2	— 3	— 3	— 8	1	3	7	12	6	14	5	— 5	— 15	—
	3	2	0	8	— 1	— 4	1	5	12	9	10	4	— 2	—
	4	1	— 1	— 2	— 4	— 2	— 1	— 3	— 4	0	2	3	6	—
	5	— 3	— 5	— 2	— 5	— 1	— 4	— 3	— 6	1	12	14	3	—
	6	0	2	0	— 1	— 2	— 3	— 10	— 10	— 12	— 8	— 2	3	—
	7	— 11	— 14	— 15	— 16	— 23	— 29	— 36	4	2	5	2	5	—
	8	11	15	12	13	16	16	13	— 28	— 22	— 16	— 5	3	—
	9	3	11	16	21	— 7	0	5	— 1	— 14	— 8	— 6	4	—
	10	5	— 1	2	2	7	6	1	— 7	— 5	— 3	2	—	—
	11	1	9	11	15	13	— 4	— 6	— 4	— 10	— 13	4	1	—
	12	8	— 3	— 10	— 1	0	2	5	0	— 2	0	1	1	—
	13	— 2	— 10	— 4	13	— 9	— 1	— 4	— 12	4	— 8	— 15	— 16	—
	14	— 2	— 2	— 2	— 4	— 4	— 2	4	9	12	13	12	0	—
	15	— 6	— 4	— 5	0	4	2	0	0	4	3	8	— 1	—
	16	— 3	— 4	— 5	— 6	— 5	— 7	— 2	4	5	5	3	5	—
	17	— 7	— 3	— 4	— 5	— 4	— 1	— 4	— 2	3	7	11	12	—
	18	6	— 1	— 11	3	4	— 4	— 6	— 6	— 13	— 7	7	— 4	—
	19	— 6	1	5	— 4	3	4	2	2	3	1	— 6	0	—
	20	5	0	0	— 5	2	— 3	— 4	— 8	— 9	— 3	— 5	1	—
	21	15	11	— 9	— 4	11	3	6	— 4	— 8	— 9	— 16	— 1	—
	22	— 10	— 5	— 1	— 3	— 4	— 5	— 2	— 5	— 8	— 7	— 3	2	—
	23	— 4	— 6	— 5	— 4	— 4	1	5	3	0	— 1	— 3	0	—
	24	— 2	0	— 1	1	— 3	0	— 3	3	2	0	3	— 4	—
	25	2	4	5	13	12	9	— 8	— 8	— 6	7	21	6	—
	26	7	— 7	0	— 4	— 5	1	6	4	5	0	10	6	—
	27	0	2	— 2	— 6	— 6	— 6	— 9	— 13	— 6	10	9	5	—
	28	1	3	4	4	8	0	3	2	— 4	— 3	4	2	—
	29	— 6	— 3	1	1	3	7	9	8	5	8	5	— 3	—
	30	— 8	— 8	— 9	— 14	— 18	— 19	— 23	17	9	7	14	3	—
	31	19	19	23	21	18	19	20	— 24	— 19	— 11	— 9	— 10	—
Hourly Amount.	168	165	187	199	210	170	222	213	227	196	216	134	—	

Mean Batavia Time.	1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily Amount	
DECEMBER.	1	10	14	3	— 3	6	8	11	5	0	— 8	5	— 2	133
	2	— 19	— 27	— 31	— 18	— 2	7	— 4	— 3	10	3	5	2	213
	3	— 8	— 7	— 10	— 7	— 4	1	4	6	5	2	— 2	— 3	117
	4	4	3	— 6	— 7	— 2	1	4	6	7	4	— 2	— 3	74
	5	0	— 6	— 6	— 4	— 4	— 1	2	4	7	6	7	5	114
	6	5	6	6	5	3	6	8	9	7	3	0	— 8	119
	7	6	5	6	9	10	7	8	11	15	11	13	15	278
	8	2	2	1	— 2	— 2	— 3	2	5	5	— 1	— 5	— 5	205
	9	10	— 2	3	6	— 1	— 14	— 13	— 17	— 12	— 10	— 4	— 5	193
	10	1	0	— 4	— 4	— 10	— 11	— 4	— 2	— 1	2	— 3	— 5	94
	11	17	0	18	8	0	— 5	— 13	— 7	2	3	— 4	— 1	169
	12	— 7	8	6	— 1	4	9	— 1	— 5	2	4	5	2	87
	13	— 10	— 14	— 6	2	9	9	11	23	6	3	— 2	— 6	199
	14	— 8	— 20	— 7	— 1	1	7	5	— 3	— 12	— 2	0	4	136
	15	— 7	— 14	— 11	— 5	1	6	6	6	5	1	— 1	— 5	105
	16	— 4	— 8	— 6	0	1	3	4	4	5	4	1	— 1	95
	17	12	8	3	— 6	0	5	8	7	8	4	12	9	145
	18	— 6	— 15	— 15	— 5	14	18	10	2	— 13	— 14	— 30	— 6	220
	19	3	7	10	7	1	6	— 1	1	— 1	— 9	6	— 6	95
	20	— 1	0	4	2	— 6	— 10	— 11	— 9	— 10	8	9	11	126
	21	20	32	12	7	4	2	2	— 4	— 1	— 1	— 12	— 8	202
	22	2	8	7	6	3	3	4	8	1	1	3	— 5	106
	23	2	0	— 2	— 5	— 2	1	2	0	5	5	— 1	— 1	62
	24	— 3	0	3	1	— 2	— 1	— 4	— 3	2	2	— 1	1	45
	25	— 10	— 2	— 2	— 9	— 9	— 5	— 5	0	— 1	5	— 7	16	172
	26	— 10	— 16	— 11	— 15	— 15	— 9	8	5	7	4	5	1	161
	27	15	14	— 4	0	6	2	3	4	5	6	0	1	134
	28	— 7	— 8	— 10	— 7	— 3	4	8	5	— 13	— 7	0	— 14	124
	29	— 6	— 9	— 12	— 10	— 9	— 6	— 2	— 1	0	3	— 4	— 8	129
	30	— 3	— 7	— 8	— 5	2	5	5	11	14	17	18	17	261
	31	— 16	— 18	— 20	— 12	— 5	1	7	5	5	1	— 2	— 4	308
Hourly Amount.	234	280	253	179	141	176	180	181	187	154	169	180	4621	

VERTICAL FORCE. D.

DEVIATIONS. — UNITY = 0,00001 C. G. S.

Mean Batavia Time.		1 A.M.	2	3	4	5	6	7	8	9	10	11	12	—
DECEMBER.	1	7	9	11	11	12	17	16	—21	—16	—15	—8	7	—
	2	3	2	2	—2	0	—2	—4	—6	—10	—7	0	12	—
	3	2	2	—2	2	5	2	3	—7	—9	—15	—10	—3	—
	4	—1	0	1	—1	—3	0	—4	—1	—4	—2	—5	—5	—
	5	2	2	1	2	0	0	0	—1	—11	—11	—5	1	—
	6	2	2	3	4	5	4	6	4	7	3	3	—7	—
	7	7	4	1	0	2	3	5	3	0	—8	—4	—1	—
	8	2	0	0	0	—1	—1	6	1	—5	—7	0	—4	—
	9	—4	—4	—4	—1	9	3	7	10	15	12	5	—3	—
	10	—1	0	—1	—4	8	—11	—11	2	7	11	0	—4	—
	11	5	2	4	6	12	15	12	3	6	12	7	—8	—
	12	—15	—11	—8	—15	—19	—19	—23	27	7	7	13	19	—
	13	3	9	8	2	13	14	24	35	—1	—8	—2	2	—
	14	1	1	—2	1	0	0	—7	—30	—30	—20	—2	5	—
	15	—2	—1	—2	—5	—4	2	1	—21	—33	—22	—3	7	—
	16	6	3	4	3	3	6	12	0	3	—3	—1	—11	—
	17	0	1	2	4	5	5	10	5	—1	2	—9	—18	—
	18	2	6	16	12	11	15	30	30	29	23	10	10	—
	19	8	3	0	4	—1	0	8	25	29	30	27	9	—
	20	5	7	5	7	2	9	11	—1	9	6	—16	—7	—
	21	—8	—6	2	—4	—14	—20	—23	8	18	27	16	—3	—
	22	1	—3	—8	—10	—12	—17	—11	17	20	16	13	13	—
	23	0	0	—3	—7	—8	—16	—19	—15	2	19	18	11	—
	24	1	0	3	3	4	3	—3	—13	—13	—8	5	7	—
	25	—7	—6	—5	—7	—9	—8	3	7	4	4	—11	—15	—
	26	—1	5	0	—1	—5	—7	—11	—6	—5	4	9	—6	—
	27	3	4	3	5	4	4	2	—1	—1	—6	2	—2	—
	28	0	—2	—1	2	2	12	13	—1	—4	—5	—4	—3	—
	29	—9	—12	—13	—12	—14	—16	—21	—12	—5	2	2	20	—
	30	—	—	—	—	—	—	—	—	—	—	—	—	—
	31	—	—	—	—	—	—	—	—	—	—	—	—	—
Hourly Amount.		108	107	115	137	187	231	306	313	304	315	204	223	—
Mean Batavia Time.		1 P.M.	2	3	4	5	6	7	8	9	10	11	12	Daily Amount.
DECEMBER.	1	2	—2	—6	—4	—11	—12	—10	—8	1	7	—2	1	216
	2	11	12	12	5	—5	—5	1	3	—1	2	2	2	111
	3	5	3	5	—1	—2	—3	—1	—2	—1	2	4	2	93
	4	0	2	8	9	5	3	2	0	0	4	7	4	71
	5	2	2	9	9	7	2	—1	—2	—2	—2	2	3	79
	6	—12	—16	—14	—8	0	—1	—2	—4	—5	—2	2	4	120
	7	—5	—5	—7	—5	—2	1	2	0	0	0	1	2	68
	8	1	4	5	4	4	8	4	—1	—3	0	1	1	63
	9	—19	—19	—24	—22	—5	9	8	5	4	4	1	0	201
	10	—6	—1	—1	—3	5	9	5	4	2	2	6	7	111
	11	—19	—7	—19	—12	—8	—1	4	—2	—7	—6	—5	—8	190
	12	20	6	—5	—4	0	—4	1	4	2	0	0	3	232
	13	1	—1	—9	—17	—20	—17	—11	—12	—5	—1	—1	0	233
	14	44	55	28	10	4	—2	—2	—1	4	—5	—2	—10	266
	15	17	19	18	6	1	—7	—5	—3	—1	3	4	5	192
	16	—1	1	9	8	4	—7	—7	—7	—5	—2	1	3	110
	17	—24	—16	—8	—2	0	—6	—11	—11	—8	—3	—3	—2	156
	18	—2	—20	—35	—37	—36	—24	—20	—8	4	8	—9	7	404
	19	—10	—29	—36	—30	—10	—4	0	—2	0	8	2	8	283
	20	—13	—12	—12	—6	—1	2	2	—1	0	—8	—6	—6	148
	21	—13	—19	0	2	8	6	7	8	2	1	5	—1	221
	22	1	—9	—10	0	1	—1	—4	—5	0	—1	—3	0	176
	23	4	2	10	18	14	4	—1	—1	—3	—4	2	1	182
	24	2	—4	—2	0	4	4	5	3	1	—1	1	—1	91
	25	1	11	15	5	5	4	3	1	3	1	5	—7	147
	26	—7	0	7	8	7	1	—4	—3	—3	0	3	5	108
	27	—20	—12	5	2	—2	1	—1	0	3	4	6	2	95
	28	6	8	3	—1	—7	—12	—8	—6	0	0	—8	0	108
	29	28	31	35	33	22	6	—5	—7	—8	—10	—5	—4	332
	30	—	—	—	—	—	—	—	—	—	—	—	—	—
	31	—	—	—	—	—	—	—	—	—	—	—	—	—
Hourly Amount.		296	328	357	271	200	166	144	116	86	95	99	99	4807

EASTERLY DECLINATION. A.

HOURLY OBSERVATIONS. — 1° 50' + THE NUMBERS IN THE TABLE.

Mean Batavia Time.		1 A.M.	2	3	4	5	6	7	8	9	10	11	12	—
JANUARY.	1	6.3	6.2	6.3	6.2	6.2	5.1	3.0	2.7	3.1	3.9	5.9	8.6	—
	2	6.1	6.1	6.1	6.0	6.0	6.0	5.1	4.1	3.2	2.8	4.3	7.7	—
	3	6.3	6.3	6.1	6.0	5.9	5.4	3.1	3.2	3.0	2.9	4.4	6.7	—
	4	5.9	5.9	6.0	6.0	6.2	6.0	5.4	4.2	3.0	2.8	3.7	6.3	—
	5	6.2	6.2	6.4	7.0	7.1	7.0	5.4	4.2	3.0	1.9	1.8	3.1	—
	6	6.2	6.3	6.6	6.6	6.6	6.8	6.0	3.9	2.1	0.6	0.6	3.1	—
	7	6.0	6.0	6.0	5.9	6.0	6.0	5.4	4.8	4.0	3.7	4.8	6.1	—
	8	6.0	5.9	6.2	5.9	5.9	6.2	5.9	5.5	5.9	5.3	6.0	8.3	—
	9	5.9	5.4	5.9	6.0	6.0	5.4	4.7	4.0	3.7	3.0	3.6	4.2	—
	10	6.3	6.2	6.3	6.2	6.3	6.1	5.4	4.8	4.6	3.8	4.5	6.1	—
	11	6.0	6.4	6.4	6.2	6.1	5.3	4.2	3.1	2.6	4.0	5.8	8.0	—
	12	6.4	6.3	6.1	6.0	5.4	5.3	4.8	5.8	6.2	6.1	7.0	7.9	—
	13	6.4	6.6	6.7	6.7	6.3	4.3	2.0	4.5	4.7	6.0	7.1	8.9	—
	14	6.7	6.9	6.8	6.4	6.1	5.3	4.2	3.6	4.3	4.8	6.0	8.0	—
	15	6.7	6.7	6.9	6.6	6.0	4.3	2.2	2.1	3.1	4.2	7.6	10.4	—
	16	6.4	6.4	6.6	6.3	6.1	5.1	3.0	1.1	1.1	1.9	5.3	8.1	—
	17	6.4	6.6	6.4	6.7	6.2	5.4	3.1	1.5	2.7	4.3	5.9	7.7	—
	18	6.6	6.6	6.6	6.4	6.0	5.4	4.2	2.7	2.1	2.7	4.0	5.9	—
	19	6.6	6.3	6.4	6.4	5.6	5.6	4.8	4.8	5.3	4.8	4.6	6.4	—
	20	6.7	6.7	6.9	6.9	6.6	6.1	4.8	4.7	5.0	4.8	5.1	5.9	—
	21	6.4	6.4	6.4	6.2	6.2	5.8	5.5	5.5	5.9	5.2	5.6	6.9	—
	22	6.2	6.3	6.3	6.1	6.0	6.0	5.3	5.0	5.6	5.9	6.0	6.0	—
	23	6.4	6.4	6.3	6.1	6.0	5.5	5.1	4.8	6.0	5.5	5.0	5.2	—
	24	6.4	6.4	6.3	6.3	6.1	5.5	5.0	4.7	4.5	4.2	3.8	5.9	—
	25	6.3	6.4	6.4	6.3	6.2	6.0	5.0	4.8	5.0	4.5	5.0	7.1	—
	26	6.1	6.1	6.0	6.0	5.4	3.8	2.6	1.9	1.8	3.1	5.3	6.1	—
	27	6.8	7.0	6.8	6.4	6.4	5.1	4.2	3.8	4.3	4.0	6.0	7.2	—
	28	6.9	6.6	6.9	6.3	6.2	5.3	3.8	2.6	3.0	4.8	6.0	7.1	—
	29	6.4	6.3	6.3	6.1	6.1	5.1	3.1	1.2*	1.7*	3.8*	5.6*	7.1*	—
	30	6.4*	6.2*	6.3*	6.1*	6.1*	5.1*	3.1*	0.2	0.4	2.7	5.2	7.1	—
	31	6.3	6.1	6.2	6.1	6.0	5.0	3.1	2.4	2.6	3.6	4.4	5.9	—
Hourly Means.		6.3	6.3	6.4	6.3	6.1	5.5	4.3	3.6	3.7	3.9	5.0	6.7	—
Mean Batavia Time.		1 P.M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
JANUARY.	1	9.6	9.2	7.9	7.2	6.0	6.0	6.4	6.3	6.2	6.2	6.1	6.0	6.1
	2	9.4	9.3	8.8	8.4	7.0	6.1	6.3	6.3	6.3	6.2	6.1	6.2	6.2
	3	7.5	7.8	8.3	7.8	7.1	6.4	6.9	6.6	6.4	6.0	6.1	5.9	5.9
	4	8.7	8.8	8.5	7.8	7.0	6.4	7.0	6.4	6.4	6.0	6.1	6.1	6.1
	5	4.8	6.1	6.4	6.4	6.4	6.4	7.0	6.4	6.3	6.0	6.1	6.3	5.6
	6	5.1	6.8	7.6	8.1	8.3	7.1	6.8	6.4	6.3	6.1	6.0	6.0	5.7
	7	7.5	8.4	8.8	8.3	7.5	7.0	7.0	6.8	6.6	6.4	6.1	6.0	6.3
	8	9.3	9.3	8.8	8.3	7.0	6.4	6.6	6.6	6.4	6.0	5.5	5.5	6.6
	9	5.0	6.1	6.6	6.4	7.0	7.0	7.2	6.9	6.7	6.7	6.4	6.4	5.7
	10	7.0	7.1	6.9	7.5	7.0	6.4	6.7	6.6	6.6	6.4	6.4	6.4	6.2
	11	7.6	5.9	4.3	6.3	8.3	8.1	7.7	7.3	7.1	6.9	6.7	6.6	6.1
	12	7.8	8.1	7.8	6.6	5.8	5.3	6.1	5.8	5.9	6.0	6.1	6.4	6.3
	13	8.9	7.2	6.7	6.6	6.3	6.2	6.8	6.7	6.6	6.2	6.3	6.4	6.3
	14	8.1	7.7	6.9	6.0	6.0	6.1	6.7	6.7	6.6	6.4	6.6	6.6	6.2
	15	11.8	11.3	10.5	9.9	8.3	6.4	6.4	6.3	6.3	6.2	6.1	6.3	6.8
	16	11.0	10.9	9.7	8.8	7.7	7.0	7.1	7.0	6.8	6.3	6.4	6.3	6.4
	17	10.3	10.4	10.4	10.1	8.3	7.0	7.1	6.7	6.4	6.2	6.4	6.4	6.6
	18	7.1	8.1	8.5	8.3	7.0	7.1	7.3	7.1	7.0	6.8	6.7	6.6	6.1
	19	7.9	8.1	9.2	9.2	8.8	7.8	7.5	7.0	6.9	6.7	6.8	6.8	6.7
	20	6.3	6.9	7.8	8.3	8.3	7.6	7.6	7.1	7.1	7.0	6.9	6.7	6.6
	21	7.1	7.2	7.1	7.1	8.0	7.6	7.5	6.9	6.7	6.6	6.4	6.3	6.5
	22	6.4	7.6	8.5	8.3	7.1	7.1	7.6	7.2	7.1	7.0	6.7	6.4	6.6
	23	6.0	6.7	8.4	8.3	8.0	7.2	7.2	7.2	6.7	6.6	6.3	6.4	6.4
	24	7.2	8.6	8.3	7.3	6.2	6.3	7.0	6.7	6.7	6.6	6.4	6.4	6.2
	25	9.1	9.6	9.2	8.3	7.3	7.1	7.1	6.6	6.3	6.1	6.2	6.2	6.6
	26	7.0	7.9	8.4	8.4	7.2	7.1	6.6	6.8	6.4	6.4	6.4	6.4	5.8
	27	7.7	7.7	7.2	6.4	6.1	6.0	6.3	6.6	6.1	6.3	6.4	6.2	6.1
	28	8.3	8.5	8.3	7.5	6.6	6.4	6.8	6.6	6.4	6.4	6.6	6.6	6.3
	29	8.4"	8.9"	8.8"	7.8"	6.6"	6.2"	6.6"	6.5"	6.5"	6.4"	6.4"	6.4"	6.0
	30	8.4	9.3	9.2	8.0	6.6	6.0	6.4	6.4	6.6	6.4	6.3	6.2	5.8
	31	6.2	7.1	7.7	8.3	8.0	6.7	6.7	6.7	6.6	6.2	6.2	6.3	5.9
Hourly Means.		7.8	8.1	8.1	7.8	7.2	6.7	6.9	6.7	6.5	6.4	6.3	6.3	6.22

HORIZONTAL FORCE. A.

HOURLY OBSERVATIONS. — 0 36300 + THE NUMBERS IN THE TABLE.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	--
JANUARY.	1	348	348	350	352	353	358	365	379	405	431	443	438	—
	2	358	360	360	358	363	364	368	387*	413	433	443	437	—
	3	344	347	349	350	352	354	384	392	415	428	435	430	—
	4	351	353	353	355	355	360	371	380	400	415	423	422	—
	5	355	356	360	356	357	359	365	371	393	414	416	402	—
	6	343	347	345	342	345	346	351	350	359	376	382	376	—
	7	346	346	346	348	351	353	358	370	390	415	428	430	—
	8	361	363	361	365	366	365	363	363	386	406	412	405	—
	9	341	348	341	344	347	351	354	364	380	403	412	411	—
	10	350	353	354	357	356	355	361	367	383	407	428	428	—
	11	362	361	363	358	354	360	393	389	405	414	420	397	—
	12	343	330	330	327	331	337	345	353	372	391	403	399	—
	13	320	325	328	327	331	340	354	349	371	382	379	364	—
	14	343	343	343	347	348	352	359	376	400	421	421	410	—
	15	348	348	352	350	350	355	357	367	381	398	391	388	—
	16	337	339	337	339	341	345	352	370	388	405	416	408	—
	17	337	339	341	342	347	347	353	359	367	393	406	408	—
	18	350	351	351	356	359	366	361	370	390	413	432	434	—
	19	366	368	370	365	364	363	369	376	390	392	399	393	—
	20	343	346	344	344	343	344	346	348	358	373	386	386	—
	21	351	354	354	353	353	357	362	371	385	411	389	397	—
	22	347	351	347	351	353	357	363	373	392	414	422	421	—
	23	355	355	359	357	360	354	352	348	354	368	375	378	—
	24	350	352	352	352	354	354	358	364	379	399	412	409	—
	25	351	353	354	356	356	356	360	360	373	391	401	407	—
	26	358	355	357	354	354	363	374	390	397	408	419	385	—
	27	326	334	331	332	333	343	353	356	363	378	386	382	—
	28	336	336	337	337	342	347	356	369	385	406	420	418	—
	29	338	340	339	340	343	341	341	354	362	376	389	398	—
	30	347	346	344	343	349	354	360	372	402	427	438	431	—
	31	345	350	349	347	347	347	348	363	377	399	406	406	—

Hourly Means.	347	348	348	349	350	353	360	368	384	403	411	406	—
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Mean Batavia Time.	1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
JANUARY.													
1	417	392	371	358	352	355	357	358	356	356	358	358	373
2	421	396	367	344	339	342	343	337	340	336	337	337	370
3	419	393	382	362	357	356	351	354	350	349	350	358	373
4	415	407	390	366	359	354	353	353	354	354	354	354	373
5	395	379	352	331	328	332	335	343	342	343	344	345	361
6	373	364	353	345	345	339	341	339	340	341	345	344	351
7	431	417	398	380	366	357	354	357	369	364	366	364	375
8	410	393	388	375	365	347	337	316	330	328	337	344	366
9	405	389	376	366	361	353	348	347	345	344	345	348	363
10	419	395	379	364	361	361	359	359	364	370	366	362	373
11	379	370	365	353	360	363	357	351	343	341	341	340	368
12	397	381	356	334	322	310	310	322	318	320	318	315	344
13	348	335	332	332	330	328	338	336	335	338	340	342	342
14	396	375	362	355	352	349	349	350	348	347	349	348	364
15	378	367	350	338	333	324	329	325	324	324	327	332	352
16	398	378	366	356	342	332	329	326	326	332	333	337	356
17	398	384	366	357	350	351	354	354	351	345	337	344	360
18	437	418	404	394	375	366	369	372	373	366	368	364	381
19	376	370	358	350	341	344	338	340	339	340	341	343	362
20	381	372	363	355	353	352	348	345	350	352	350	351	356
21	392	378	362	354	353	349	349	350	348	350	351	330	363
22	401	390	379	371	366	361	357	352	353	352	353	353	370
23	374	364	357	354	350	355	350	348	341	347	354	350	357
24	407	401	386	374	356	353	346	347	349	344	346	349	366
25	407	401	386	363	357	355	355	358	359	360	355	359	368
26	389	369	355	315	292	281	310	307	316	320	325	328	351
27	368	362	352	339	329	335	335	336	340	336	331	342	347
28	394	368	356	350	335	334	335	336	335	338	336	338	356
29	389	374	360	346	344	346	346	346	344	345	347	347	354
30	410	389	376	359	350	346	345	347	348	348	346	343	368
31	395	382	371	360	354	353	344	341	342	345	347	349	361

Hourly Means.	397	382	368	355	348	345	344	344	344	344	345	346	362.1
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VERTICAL FORCE. A.

HOURLY OBSERVATIONS. — 0.19500 + THE NUMBERS IN THE TABLE.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
J A N U A R Y.	1	176	172	171	167	166	172	171	155	138	121	107	107	—
	2	195	192	190	189	186	188	194	177	159	149	129	119	—
	3	194	190	186	182	180	183	177	170	165	156	148	137	—
	4	187	183	181	177	176	173	175	183	167	143	119	115	—
	5	191	188	187	185	184	183	189	187	179	163	149	150	—
	6	203	200	198	198	195	191	197	205	195	176	146	—	—
	7	—	—	—	—	—	—	—	—	—	140	112	101	—
	8	198	194	192	188	187	184	177	150	123	110	77	77	—
	9	162	158	158	155	152	155	153	129	124	107	96	94	—
	10	125	122	119	115	115	115	114	118	112	105	75	65	—
	11	129	127	127	129	132	135	127	114	106	90	81	84	—
	12	111	115	112	112	111	110	105	101	88	61	43	53	—
	13	114	107	105	105	103	107	88	68	59	40	43	57	—
	14	120	118	119	118	118	121	123	112	105	100	92	83	—
	15	131	129	127	127	129	136	136	122	105	71	52	32	—
	16	131	126	125	122	122	126	131	112	88	65	29	0	—
	17	125	122	122	119	115	121	125	115	87	57	39	33	—
	18	124	122	119	115	115	114	126	129	115	82	49	38	—
	19	127	126	122	122	123	122	122	117	105	107	100	101	—
	20	133	129	129	127	126	126	124	114	107	97	86	64	—
	21	127	126	125	126	126	125	126	120	107	88	85	90	—
	22	129	126	126	122	121	119	122	112	101	105	107	97	—
	23	130	129	127	128	127	128	135	129	129	126	125	114	—
	24	127	125	123	122	120	119	118	108	98	83	74	61	—
	25	140	137	135	133	132	133	133	121	115	112	92	83	—
	26	149	149	148	148	148	150	146	127	122	112	91	112	—
	27	150	143	145	145	145	146	141	134	124	105	82	90	—
	28	158	157	155	155	152	155	155	151	133	109	105	105	—
	29	162	159	157	155	150	155	155	—	—	—	—	—	—
	30	—	—	—	—	—	—	—	124	88	62	68	78	—
	31	149	143	142	141	141	146	155	142	125	105	91	91	—
Hourly Means.		148	145	144	142	141	143	143	133	120	105	90	84	—
Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
J A N U A R Y.	1	129	164	194	213	218	212	208	206	205	207	204	198	174
	2	133	151	176	197	213	208	201	204	202	204	201	198	181
	3	147	151	168	186	198	201	198	196	196	194	191	186	178
	4	137	157	178	198	205	201	198	197	196	198	196	191	176
	5	158	171	184	197	207	202	201	202	205	206	204	201	186
	6	—	—	—	—	—	—	—	—	—	—	—	—	—
	7	115	133	165	194	210	213	208	206	198	200	199	198	—
	8	113	143	156	158	172	177	179	184	177	174	166	161	159
	9	88	97	112	124	125	133	135	140	139	137	133	129	131
	10	77	95	104	112	122	127	129	127	126	123	126	128	112
	11	110	125	115	89	83	99	109	114	118	115	115	115	112
	12	71	98	118	129	132	134	129	120	124	120	119	119	106
	13	81	96	105	105	107	114	112	118	122	125	123	122	97
	14	92	105	124	127	127	129	133	133	135	135	133	133	118
	15	54	79	100	115	133	142	140	140	141	141	140	136	115
	16	26	86	124	139	151	143	135	134	134	132	129	125	110
	17	43	57	78	100	119	122	125	126	129	135	138	131	103
	18	60	84	108	124	128	132	126	123	125	129	129	129	110
	19	112	112	107	117	125	135	137	137	138	137	137	135	122
	20	67	77	90	98	107	119	123	126	126	125	125	126	111
	21	99	108	129	137	136	140	140	137	136	133	130	129	122
	22	99	111	124	139	149	147	141	140	140	136	135	134	124
	23	112	116	119	132	136	135	135	136	140	135	131	129	128
	24	61	69	101	126	141	137	148	148	145	148	147	141	116
	25	91	107	126	136	149	150	149	149	149	149	151	149	130
	26	115	129	149	171	184	184	162	162	159	156	154	150	145
	27	104	120	140	162	170	165	165	165	165	165	165	161	142
	28	128	147	151	158	171	172	172	171	170	169	167	164	151
	29	—	—	—	—	—	—	—	—	—	—	—	—	—
	30	91	118	140	162	172	165	158	156	153	153	153	151	—
	31	96	119	140	149	157	165	165	170	170	167	164	162	141
Hourly Means.		97	115	132	145	153	155	154	154	154	153	152	149	133.3

EASTERLY DECLINATION. A.

HOURLY OBSERVATIONS. — 1° 50' + THE NUMBERS IN THE TABLE.

Mean Batavia. Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
FEBRUARY.	1	6.4	6.1	6.0	6.0	5.9	5.5	4.2	3.1	2.2	2.7	3.6	5.0	—
	2	5.5	6.0	6.1	6.1	5.9	4.7	3.2	2.6	3.7	4.2	5.4	7.5	—
	3	6.0	6.0	6.0	6.1	5.9	5.3	4.3	3.8	3.7	4.0	3.7	4.0	—
	4	6.4	6.6	6.3	6.6	6.4	6.9	6.0	4.6	5.0	5.0	5.8	7.1	—
	5	6.3	6.3	6.6	6.9	6.1	5.8	4.8	4.8	5.3	5.9	6.4	7.1	—
	6	6.2	6.1	6.3	6.2	6.1	6.1	5.0	4.0	4.8	5.8	6.0	6.2	—
	7	6.3	6.3	6.3	6.2	6.0	5.5	4.4	4.0	4.8	6.0	7.1	7.2	—
	8	6.7	6.4	6.6	6.0	5.8	4.8	4.7	4.6	5.6	6.7	7.7	8.4	—
	9	6.3	6.3	6.9	6.0	5.4	5.3	4.4	4.0	5.1	6.0	6.4	7.2	—
	10	6.0	6.0	6.0	6.0	5.6	4.5	3.0	3.6	5.5	7.0	7.9	8.5	—
	11	6.2	6.1	6.0	5.9	5.4	5.2	3.7	2.6	2.8	3.0	3.7	5.3	—
	12	6.0	6.0	6.0	5.8	5.4	4.3	3.1	2.7	4.3	6.2	8.3	8.8	—
	13	6.2	6.1	6.1	6.0	5.5	4.7	2.8	2.6	3.7	5.4	7.6	8.8	—
	14	6.3	6.2	6.0	5.5	5.3	3.9	2.6	1.4	2.4	4.7	6.9	8.3	—
	15	6.3	6.0	6.1	6.0	5.6	4.4	2.8	2.1	3.6	5.2	7.1	8.3	—
	16	6.3	6.2	6.0	6.0	5.5	4.8	3.1	2.1	2.7	4.7	6.1	7.9	—
	17	6.4	6.3	6.0	6.0	5.9	4.4	3.0	3.0	4.6	6.7	8.3	8.8	—
	18	6.3	6.3	6.1	6.0	5.6	4.2	2.6	3.7	4.3	5.3	7.5	8.6	—
	19	6.4	6.2	6.1	6.0	6.0	4.6	3.8	3.0	5.3	6.2	7.7	9.1	—
	20	6.0	5.9	5.9	5.6	5.8	5.2	4.5	3.7	5.4	7.5	8.6	8.9	—
	21	6.1	6.0	6.1	6.1	6.0	5.2	3.7	2.9	3.8	5.8	7.2	8.3	—
	22	6.4	6.3	6.4	6.0	5.9	5.1	4.2	4.2	6.0	7.2	8.3	8.5	—
	23	6.1	6.0	6.0	6.0	5.4	4.8	4.6	5.0	5.8	6.8	7.5	8.3	—
	24	6.2	6.1	5.6	5.6	5.8	5.3	4.7	5.0	5.1	7.9	9.6	9.7	—
	25	6.2	6.2	6.2	6.1	5.5	4.3	2.6	2.1	2.8	4.7	5.9	7.1	—
	26	6.4	6.6	6.9	7.0	6.0	5.5	4.4	3.2	4.6	5.4	6.7	8.0	—
	27	6.2	6.4	6.3	6.1	6.0	4.7	3.9	3.6	4.3	5.3	7.1	7.8	—
	28	6.3	6.6	6.2	6.3	6.0	4.8	3.0	1.9	3.0	5.3	7.7	9.4	—
	29	6.8	7.0	6.9	6.6	6.2	5.2	2.6	0.4	0.3	2.4	5.8	8.7	—
Hourly Means.		6.2	6.2	6.2	6.1	5.8	5.0	3.8	3.3	4.2	5.5	6.8	7.8	—
Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
FEBRUARY.	1	5.4	6.3	7.2	7.5	7.1	6.3	7.0	6.8	6.6	6.4	6.4	6.2	5.7
	2	8.5	8.8	8.8	8.4	7.7	7.0	6.4	6.3	6.0	5.6	6.0	6.0	6.1
	3	5.4	6.3	7.0	6.9	7.1	7.0	6.6	6.3	6.3	6.1	6.2	6.3	5.7
	4	7.5	8.4	8.7	8.5	8.1	7.2	7.0	6.6	6.9	7.0	5.6	6.9	6.7
	5	7.5	7.1	6.4	6.4	6.6	6.8	6.8	6.7	6.4	6.4	6.3	6.2	6.3
	6	6.2	6.1	7.1	7.7	7.7	6.9	7.0	6.8	6.4	6.7	6.4	6.4	6.3
	7	7.6	8.3	8.3	7.2	6.4	6.0	6.4	6.2	6.4	6.6	6.6	6.6	6.4
	8	8.6	8.1	8.4	7.6	6.7	6.2	6.1	6.6	6.3	6.4	6.3	6.3	6.6
	9	7.1	7.0	7.6	7.0	6.7	6.3	6.3	6.4	6.4	6.4	6.4	6.1	6.2
	10	8.5	7.6	6.7	6.6	6.6	6.6	7.0	6.8	6.4	6.4	6.3	6.1	6.3
	11	7.1	7.5	7.1	7.1	7.0	6.1	6.6	6.8	6.6	6.4	6.3	6.1	5.7
	12	9.6	9.5	9.4	8.8	7.6	6.4	6.4	6.2	6.2	6.1	6.0	6.1	6.5
	13	9.2	8.5	8.3	7.6	7.1	6.4	6.9	6.6	6.6	6.2	6.3	6.3	6.3
	14	8.4	7.9	7.3	6.4	6.1	6.1	6.2	6.2	6.3	6.3	6.4	6.3	5.8
	15	9.4	8.7	8.1	7.3	7.6	7.1	7.1	6.7	6.9	6.6	6.4	6.4	6.3
	16	8.4	8.3	8.4	7.1	6.3	6.1	6.4	6.4	6.4	6.2	6.3	6.3	6.0
	17	8.8	8.5	8.4	8.0	8.3	7.7	7.0	6.7	6.6	6.6	6.9	6.4	6.6
	18	8.7	8.4	8.1	7.3	7.2	7.1	7.5	6.8	6.7	6.7	6.6	6.3	6.4
	19	8.3	7.3	6.4	5.9	5.9	6.3	6.3	6.2	6.0	6.0	6.0	6.1	6.1
	20	8.7	7.6	6.4	6.4	6.0	6.2	7.0	6.7	6.4	6.1	6.1	6.2	6.4
	21	9.3	9.4	8.7	8.4	7.8	7.1	7.2	7.0	6.8	6.6	6.7	6.6	6.6
	22	8.3	7.1	6.2	6.0	6.3	7.1	6.9	6.7	6.6	6.4	6.4	6.2	6.4
	23	7.6	6.7	6.3	6.3	6.2	6.2	6.3	6.1	6.2	6.6	6.1	6.0	6.2
	24	9.9	7.8	7.1	7.1	6.7	6.0	7.1	6.4	6.0	6.0	6.2	6.0	6.6
	25	7.5	7.3	6.7	6.7	6.9	6.6	6.9	6.8	5.9	6.3	6.4	6.7	5.9
	26	8.0	7.7	6.7	5.4	5.6	6.6	6.6	6.1	6.9	6.6	6.6	6.3	6.2
	27	7.6	7.3	7.0	5.9	5.3	6.0	6.3	6.4	6.7	6.4	6.4	6.4	6.1
	28	10.0	9.5	8.4	7.2	6.8	6.7	7.0	6.6	6.8	6.7	6.7	6.7	6.5
	29	9.6	9.4	8.7	7.1	6.1	6.0	6.4	6.3	6.4	6.4	6.4	6.9	6.0
Hourly Means.		8.2	7.9	7.6	7.1	6.8	6.6	6.7	6.5	6.5	6.4	6.3	6.3	6.24

HORIZONTAL FORCE. A.
HOURLY OBSERVATIONS. — 0.36800 + THE NUMBERS IN THE TABLE,

Mean Batavia Time.		1 A.M.	2	3	4	5	6	7	8	9	10	11	12	—
F E B R U A R Y.	1	349	350	352	353	352	357	368	381	399	422	439	432	—
	2	364	343	345	351	355	357	359	374	388	406	414	400	—
	3	307	314	318	322	328	333	342	352	364	377	383	384	—
	4	337	330	331	322	326	325	328	338	350	357	359	349	—
	5	322	332	336	346	354	355	360	366	371	383	394	398	—
	6	336	335	335	330	331	339	336	344	357	370	382	376	—
	7	329	331	324	325	329	331	333	342	350	368	370	367	—
	8	337	343	344	344	346	350	357	370	378	385	384	386	—
	9	339	335	347	336	342	341	346	352	359	371	371	357	—
	10	334	337	340	339	340	345	359	375	382	389	389	386	—
	11	349	353	352	355	354	355	361	374	387	405	412	411	—
	12	349	351	351	351	354	357	364	384	402	414	416	405	—
	13	351	356	359	359	362	364	369	379	392	401	404	400	—
	14	356	358	361	361	361	366	371	382	396	408	416	409	—
	15	357	360	361	363	364	362	365	381	396	412	415	415	—
	16	367	369	369	371	368	371	379	388	400	409	416	414	—
	17	354	353	345	347	348	357	366	387	406	413	418	416	—
	18	352	355	353	355	359	360	361	361	370	398	378	393	—
	19	345	347	347	346	349	351	359	378	391	408	413	408	—
	20	349	360	352	348	343	347	351	364	381	396	404	409	—
	21	353	354	352	354	354	357	365	378	397	415	425	425	—
	22	358	358	362	360	363	363	368	383	397	408	407	400	—
	23	362	366	368	365	370	379	387	391	413	417	435	424	—
	24	337	345	365	342	342	359	354	365	373	365	369	369	—
	25	321	316	339	338	338	341	349	357	374	384	393	383	—
	26	336	339	344	343	347	347	348	367	383	388	385	386	—
	27	354	342	341	347	343	343	351	359	371	385	395	392	—
	28	355	346	347	349	351	352	361	380	393	406	420	420	—
	29	344	341	342	341	341	345	352	363	376	387	387	382	—
Hourly Means.		345	345	348	347	349	352	358	370	383	395	400	396	—
Mean Batavia time.		1 P.M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
F E B R U A R Y.	1	420	410	405	386	376	361	349	338	330	337	335	337	372
	2	391	364	340	311	292	287	294	307	308	311	310	311	345
	3	378	362	346	335	330	330	331	330	331	330	327	327	341
	4	348	337	324	318	319	322	325	328	339	341	331	317	333
	5	384	372	359	352	344	342	337	347	337	342	344	339	355
	6	376	357	349	342	340	338	329	332	330	324	326	326	343
	7	355	354	315	315	338	343	344	321	331	325	335	333	340
	8	371	365	343	330	325	325	329	342	344	342	346	339	351
	9	361	355	341	331	330	323	308	306	322	330	330	332	340
	10	379	370	358	351	348	354	355	353	354	351	352	349	358
	11	405	391	363	355	361	356	339	335	340	345	348	349	365
	12	393	379	364	357	343	352	356	356	355	350	358	353	367
	13	393	387	379	372	369	365	360	358	352	349	352	355	370
	14	397	387	380	372	370	369	365	363	361	359	359	359	374
	15	403	399	388	375	369	368	366	364	365	364	365	361	377
	16	413	399	381	376	374	371	368	362	361	361	357	355	379
	17	406	394	381	369	365	363	364	359	363	359	337	349	372
	18	377	363	357	354	356	331	338	347	344	342	342	345	358
	19	406	393	375	359	346	341	346	349	349	350	351	349	365
	20	405	388	372	355	352	354	349	350	350	355	350	349	364
	21	419	401	383	369	360	358	353	355	355	356	356	358	373
	22	394	379	376	370	368	373	376	373	367	365	363	360	375
	23	410	404	394	381	375	361	361	366	367	341	367	339	381
	24	321	318	327	306	290	322	321	331	343	344	307	342	340
	25	369	363	362	351	332	311	324	330	345	338	319	347	347
	26	380	367	353	343	341	347	342	346	338	343	338	338	354
	27	385	378	369	360	353	351	348	346	346	352	348	342	358
	28	416	392	372	362	351	342	340	341	344	344	343	346	366
	29	378	367	352	346	343	339	339	336	334	336	351	348	353
Hourly Means.		387	376	364	353	347	345	343	344	345	344	343	343	359.2

VERTICAL FORCE. A.

HOURLY OBSERVATIONS. — 0.19500 + THE NUMBERS IN THE TABLE.

Mean Batavia Time.	A. M. I	2	3	4	5	6	7	8	9	10	11	12	
FEBRUARY.	1	160	157	154	149	148	144	149	148	137	136	126	—
	2	183	186	185	177	174	177	177	162	149	137	121	—
	3	198	190	185	182	177	179	174	162	159	158	148	—
	4	201	205	205	206	202	199	208	233	223	210	199	—
	5	218	210	206	201	196	196	198	190	179	162	160	—
	6	213	213	213	213	214	207	217	218	201	186	178	—
	7	216	213	215	213	211	210	216	203	191	173	162	—
	8	196	193	191	191	190	189	175	160	150	142	139	—
	9	194	194	186	191	190	186	191	191	182	164	156	—
	10	201	198	198	196	196	198	192	174	160	144	140	—
	11	184	184	179	177	176	177	184	177	169	149	140	—
	12	177	175	173	172	169	172	165	148	131	117	115	—
	13	172	169	163	160	156	158	159	153	133	120	108	—
	14	155	150	150	149	150	155	153	133	122	100	26	—
	15	125	122	120	120	119	125	122	115	91	77	69	—
	16	133	130	127	125	126	127	133	127	106	83	71	—
	17	143	140	141	137	132	133	122	100	77	72	74	—
	18	131	127	127	126	124	129	135	133	112	79	85	—
	19	158	155	155	153	150	155	149	133	124	112	105	—
	20	165	161	163	165	167	165	161	155	135	126	129	—
	21	164	162	159	158	158	158	155	149	124	94	84	—
	22	141	140	140	137	136	137	133	112	104	103	106	—
	23	143	137	134	134	132	127	120	107	95	91	86	—
	24	150	149	136	144	144	136	138	132	132	121	125	—
	25	164	163	155	149	152	158	155	144	124	112	107	—
	26	151	149	147	149	146	150	156	140	112	101	101	—
	27	150	155	155	150	151	157	155	149	129	112	100	—
	28	159	160	158	156	155	158	153	134	112	84	67	—
	29	164	166	164	163	162	165	170	165	143	110	88	—
Hourly Means.	169	167	165	164	162	163	163	153	139	123	115	116	—
Mean Batavia Time.	I P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
FEBRUARY.	1	134	143	155	174	189	194	194	198	201	198	197	164
	2	132	149	177	200	221	224	213	204	200	205	198	178
	3	156	159	169	179	186	198	201	202	201	204	206	180
	4	217	219	226	233	233	228	220	218	208	206	220	215
	5	171	184	196	207	208	207	209	206	212	213	209	196
	6	180	179	178	191	205	215	220	220	220	220	216	205
	7	172	171	187	198	206	205	201	208	205	205	201	198
	8	146	165	187	209	221	216	211	201	198	198	197	183
	9	167	164	177	188	194	208	213	216	208	203	203	189
	10	149	162	177	184	184	181	179	186	186	187	186	179
	11	122	137	155	162	173	183	186	191	186	180	179	169
	12	136	140	149	162	171	176	172	170	172	177	176	159
	13	114	122	132	140	149	154	156	158	160	161	158	147
	14	55	62	71	86	100	110	115	119	122	123	126	112
	15	83	98	111	121	128	133	134	136	135	136	136	115
	16	68	79	104	126	134	134	133	137	140	140	141	118
	17	102	112	121	118	117	121	125	127	127	129	140	118
	18	98	112	124	140	155	162	158	155	156	158	161	130
	19	137	153	162	165	161	161	162	161	164	162	165	149
	20	142	162	176	178	176	172	172	172	173	171	171	161
	21	92	114	130	137	144	148	148	147	145	143	143	137
	22	112	125	134	131	127	131	134	136	140	143	143	129
	23	100	113	126	133	137	139	140	140	140	149	144	125
	24	117	143	155	158	160	169	155	157	155	155	157	145
	25	119	128	133	140	148	158	158	156	149	153	161	143
	26	105	122	137	147	147	141	153	156	160	160	161	139
	27	125	143	165	171	165	162	165	166	165	163	165	150
	28	91	85	149	164	169	176	175	172	171	170	170	143
	29	113	129	147	158	165	165	167	170	174	173	170	152
Hourly Means.	126	137	152	162	168	171	171	172	171	172	173	172	1561

EASTERLY DECLINATION. A.
HOURLY OBSERVATIONS. — 1° 50' + THE NUMBERS IN THE TABLE.

Mean Batavia Time.	1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—	
M A R C H.	1	6.7	7.5	7.1	6.6	8.5	6.4	4.6	2.4	3.2	5.1	7.9	10.5	—
	2	6.2	6.2	6.4	6.0	4.7	3.7	3.0	1.4	2.4	4.6	6.0	8.3	—
	3	6.0	6.3	6.0	6.0	5.4	5.2	4.7	4.2	4.7	5.8	7.1	7.6	—
	4	6.6	6.6	6.6	6.2	5.8	5.4	4.3	4.0	4.8	5.4	7.2	8.3	—
	5	6.6	6.4	6.3	6.1	6.0	5.5	4.6	3.8	4.3	6.1	7.6	8.3	—
	6	6.6	6.6	6.4	6.3	6.1	5.0	3.5	3.6	3.7	5.1	7.2	9.3	—
	7	6.2	6.1	6.1	5.9	5.9	5.0	4.5	4.0	4.3	6.3	7.7	8.8	—
	8	6.3	5.8	5.0	5.3	4.8	6.0	4.7	3.7	4.3	6.0	7.1	7.7	—
	9	6.2	6.1	6.0	6.0	6.0	5.6	4.8	3.4	3.6	4.3	6.1	8.0	—
	10	6.2	6.2	6.0	6.0	6.1	6.1	5.4	3.7	4.2	4.8	6.9	7.9	—
	11	6.3	6.2	6.3	6.1	5.9	5.5	4.7	4.2	4.7	6.0	7.0	8.4	—
	12	6.2	6.1	6.1	6.0	5.9	5.0	4.6	4.7	6.1	7.2	8.4	9.6	—
	13	6.3	6.3	6.4	6.0	5.5	4.7	3.1	2.6	2.8	4.7	7.1	8.9	—
	14	6.3	6.0	6.1	6.0	6.0	5.2	3.9	2.0	1.5	2.9	4.3	6.3	—
	15	6.2	6.3	6.1	6.0	5.9	5.4	4.6	3.0	2.6	3.2	5.2	7.1	—
	16	6.4	6.4	6.4	6.2	6.0	5.2	4.8	3.2	2.2	2.4	4.0	5.9	—
	17	6.4	6.4	6.4	6.2	6.3	5.4	4.5	3.4	2.6	3.1	4.2	5.9	—
	18	6.1	6.3	6.4	6.4	6.2	6.0	5.5	4.2	3.7	4.3	5.8	8.0	—
	19	6.1	6.2	6.3	6.3	6.3	6.1	5.5	4.0	3.7	4.3	5.9	6.7	—
	20	6.1	6.0	6.0	5.6	5.5	5.8	6.6	4.8	4.5	4.7	5.8	6.7	—
	21	6.3	6.0	6.0	6.8	6.0	6.0	5.5	4.2	4.0	4.7	6.0	6.0	—
	22	6.6	7.1	6.6	6.3	6.3	6.4	5.2	3.8	3.9	4.4	4.8	5.9	—
	23	6.3	6.4	6.3	6.6	5.9	5.2	3.2	2.4	2.3	3.1	5.1	6.4	—
	24	6.6	6.7	6.6	6.4	5.9	5.2	4.2	2.4	3.1	3.9	5.3	6.0	—
	25	7.0	6.8	7.0	6.6	6.2	6.3	6.1	5.3	5.3	6.0	7.6	8.0	—
	26	6.7	6.8	6.7	6.6	6.2	6.1	5.6	4.3	4.4	4.7	5.6	7.0	—
	27	6.2	6.6	6.8	6.4	6.4	6.0	5.3	3.8	3.8	4.0	5.2	6.9	—
	28	6.4	6.8	6.9	6.8	6.4	6.2	5.4	3.7	3.1	3.7	5.9	8.8	—
	29	7.0	7.0	6.9	6.9	8.3	9.7	7.8	5.5	3.6	4.0	4.8	6.7	—
	30	6.8	7.1	6.4	6.0	6.0	6.1	5.0	4.0	3.1	4.0	4.8	6.8	—
	31	5.8	6.6	6.4	6.8	6.7	6.1	5.5	3.7	3.0	3.1	3.9	5.9	—
Hourly Means.	6.4	6.4	6.4	6.2	6.1	5.7	4.9	3.7	3.7	4.6	6.0	7.5	—	
Mean Batavia Time.	1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.	
M A R C H.	1	11.0	11.1	9.6	8.5	7.1	7.0	7.2	6.6	6.8	6.2	6.3	5.5	7.1
	2	9.4	9.7	9.9	9.3	8.8	7.1	7.6	7.6	6.0	6.9	6.7	6.6	6.4
	3	7.7	8.1	8.4	8.4	8.9	6.9	5.4	7.0	7.1	6.7	6.6	6.3	6.5
	4	8.6	8.3	7.5	7.0	7.1	7.1	7.0	7.0	7.0	6.9	6.8	6.7	6.6
	5	8.5	8.1	8.1	7.6	7.3	7.0	6.9	7.0	6.8	6.7	6.6	6.4	6.6
	6	10.0	9.4	8.3	7.3	7.0	7.0	7.0	6.7	6.4	6.3	6.4	6.1	6.6
	7	9.1	8.9	8.7	8.4	8.3	7.2	7.1	6.7	7.0	6.6	6.3	6.4	6.7
	8	8.1	8.3	7.9	7.6	7.1	6.4	7.0	6.9	6.7	6.8	5.9	6.0	6.3
	9	9.1	8.9	9.2	7.8	7.0	7.2	7.2	7.0	6.7	6.4	6.4	6.2	6.5
	10	7.8	7.8	7.1	6.8	6.7	7.1	6.7	6.7	6.4	6.4	6.3	6.2	6.3
	11	8.3	8.0	7.7	7.1	7.0	7.1	7.1	6.7	6.4	6.0	6.0	6.0	6.4
	12	9.7	8.9	8.0	6.6	6.1	6.8	7.1	6.7	6.4	6.1	6.1	6.2	6.7
	13	9.6	9.4	8.3	7.5	7.3	7.3	7.5	7.0	6.6	6.3	6.4	6.3	6.4
	14	8.3	8.6	8.0	7.6	7.0	7.0	7.3	7.0	6.7	6.4	6.6	6.0	6.0
	15	7.7	8.0	7.2	6.3	6.0	6.2	6.7	6.6	6.4	6.2	6.0	6.0	5.9
	16	6.9	8.4	8.6	7.3	7.0	6.6	7.0	6.6	6.3	6.2	6.0	6.0	5.9
	17	7.3	7.7	7.5	7.1	7.1	6.8	6.9	6.6	6.4	6.2	5.9	6.0	5.9
	18	8.8	8.4	8.0	8.0	7.5	6.9	6.8	6.6	6.2	6.0	6.0	5.9	6.4
	19	7.5	7.0	7.0	7.0	7.0	6.6	6.9	6.6	6.3	6.3	6.0	6.0	6.2
	20	7.5	7.5	7.0	6.8	6.7	6.4	6.9	6.4	6.4	6.2	6.3	6.0	6.2
	21	6.6	6.6	7.2	6.7	6.9	7.0	6.6	6.7	6.6	6.9	6.3	6.9	6.2
	22	6.9	7.0	6.9	6.3	6.6	7.0	7.1	7.0	6.1	6.6	6.6	6.4	6.2
	23	7.1	7.7	7.7	7.3	7.5	7.9	7.9	6.4	6.0	6.4	6.4	6.6	6.0
	24	6.8	7.0	6.7	6.4	7.0	7.2	8.0	7.2	7.2	7.0	6.4	7.0	6.1
	25	8.4	8.3	7.1	6.3	6.0	6.3	6.9	6.3	6.3	6.3	6.4	6.6	6.6
	26	8.1	7.9	7.3	7.0	7.0	7.1	6.9	6.7	6.2	6.1	6.4	6.2	6.4
	27	7.7	7.8	7.5	7.0	6.7	5.9	6.9	6.7	6.2	5.8	6.0	6.2	6.2
	28	10.1	10.5	9.5	8.4	7.9	7.1	6.7	6.7	6.6	6.3	6.4	6.1	6.8
	29	8.3	7.7	8.1	7.1	6.9	6.6	6.7	6.4	6.2	5.8	6.1	6.3	6.7
	30	7.9	8.1	8.1	8.1	7.3	7.3	7.0	6.7	6.3	6.1	6.4	6.0	6.3
	31	6.9	7.6	8.4	8.1	7.3	6.6	6.7	6.4	6.2	6.0	6.2	6.1	6.1
Hourly Means.	8.3	8.3	8.0	7.4	7.1	6.9	7.0	6.7	6.5	6.4	6.3	6.2	6.36	

HORIZONTAL FORCE. A.

HOURLY OBSERVATIONS. — 0.36800 + THE NUMBERS IN THE TABLE.

Mean Batavia Time.		1 A.M.	2	3	4	5	6	7	8	9	10	11	12	—
MARCH.	1	357	335	349	350	362	332	345	—	—	—	—	—	—
	2	—	—	—	—	—	—	—	347	372	370	379	390	—
	3	323	317	338	326	323	327	330	347	356	361	349	351	—
	4	322	343	326	344	348	351	356	364	365	379	365	372	—
	5	330	333	336	337	337	341	350	362	383	398	404	421	—
	6	332	333	335	336	338	354	353	365	397	418	430	434	—
	7	348	357	355	363	356	368	364	379	399	391	401	393	—
	8	345	357	359	336	358	363	359	371	384	395	403	403	—
	9	316	321	324	327	332	337	345	366	385	401	403	393	—
	10	321	320	327	330	330	332	337	353	364	382	388	396	—
	11	331	336	336	339	340	344	349	365	383	400	406	409	—
	12	334	338	342	342	344	348	354	373	395	412	419	418	—
	13	341	341	345	347	348	351	354	373	397	416	429	429	—
	14	349	354	349	347	351	360	363	374	396	410	413	417	—
	15	343	343	350	353	356	367	376	397	421	444	448	447	—
	16	342	344	343	345	346	346	351	371	401	428	426	418	—
	17	339	343	342	341	348	367	363	375	401	426	439	439	—
	18	329	329	337	337	336	341	343	354	373	394	411	401	—
	19	343	346	348	352	354	354	366	382	397	411	414	417	—
	20	339	331	359	342	343	353	348	371	391	385	397	396	—
	21	343	336	350	369	349	344	345	365	379	386	384	389	—
	22	332	339	336	335	332	340	349	360	368	385	391	393	—
	23	342	349	351	351	355	356	361	372	385	394	398	404	—
	24	330	335	337	342	354	356	363	376	383	393	395	396	—
	25	329	332	338	336	338	343	357	377	390	396	405	407	—
	26	334	334	337	334	338	341	354	376	383	402	400	396	—
	27	332	336	340	345	346	360	361	385	401	416	422	415	—
	28	334	339	339	345	349	348	352	367	381	403	416	411	—
	29	335	333	340	358	348	333	325	316	328	331	323	316	—
	30	298	298	307	310	307	305	319	336	358	370	395	397	—
	31	319	312	314	312	317	323	324	334	351	369	388	385	—
Hourly Means.		334	335	340	341	343	346	351	365	382	396	401	402	—
Mean Batavia Time.		1 P.M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
MARCH.	1	—	—	—	—	—	—	—	—	—	—	—	—	—
	2	379	371	363	324	289	298	331	306	328	313	312	315	—
	3	351	343	332	318	276	288	329	308	290	314	315	339	327
	4	368	356	362	351	346	341	341	335	334	332	330	327	348
	5	412	397	375	362	355	340	338	344	332	332	333	331	348
	6	417	379	369	363	353	349	347	346	342	347	346	348	364
	7	370	352	355	355	349	347	346	339	334	332	336	329	359
	8	405	386	375	365	355	357	347	330	315	305	307	308	358
	9	383	363	343	320	325	321	322	320	318	324	320	320	343
	10	392	379	369	349	334	328	328	328	329	331	328	328	346
	11	398	387	376	364	350	348	345	343	341	343	339	334	359
	12	409	397	382	369	356	349	347	345	342	343	341	340	364
	13	413	391	373	357	352	353	349	346	348	348	344	343	366
	14	413	392	373	364	360	359	363	355	346	343	348	348	369
	15	427	404	386	376	361	358	352	347	346	345	344	342	376
	16	409	389	361	352	345	347	338	341	338	333	338	341	362
	17	419	404	382	364	355	351	341	339	333	331	331	329	367
	18	389	374	353	339	341	345	342	339	350	341	350	339	354
	19	407	389	376	363	363	363	357	353	349	346	348	343	368
	20	356	354	347	340	343	344	335	336	334	333	328	350	352
	21	385	369	353	345	339	335	334	332	336	331	329	326	352
	22	365	335	318	319	326	335	326	320	329	335	338	340	344
	23	389	372	358	342	327	307	307	318	336	318	320	326	352
	24	389	381	366	357	342	327	311	317	313	320	318	322	351
	25	398	371	364	353	348	337	324	329	331	334	330	330	354
	26	381	367	350	347	348	345	344	338	342	343	333	334	354
	27	399	382	373	360	354	332	323	324	332	332	334	339	360
	28	377	359	339	334	329	347	347	341	339	339	336	347	355
	29	291	269	237	261	273	280	286	293	287	275	275	296	305
	30	385	361	342	329	318	310	303	305	309	310	309	312	329
	31	382	361	339	328	331	328	318	310	311	321	327	323	334
Hourly Means.		389	371	356	346	338	336	334	331	330	330	330	332	352.8

VERTICAL FORCE. A.														
HOURLY OBSERVATIONS. — 0.19500 + THE NUMBERS IN THE TABLE.														
Mean Batavia Time.	1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—	
MARCH.	1	162	178	170	171	167	179	184	160	136	137	127	141	—
	2	174	172	174	175	173	179	165	165	149	137	120	112	—
	3	164	165	154	156	155	153	155	151	139	133	129	125	—
	4	169	166	170	162	160	160	160	158	156	147	141	137	—
	5	179	177	174	171	168	170	165	167	151	137	132	131	—
	6	208	205	204	203	201	197	193	169	143	113	99	100	—
	7	201	198	198	194	196	191	189	182	169	158	156	149	—
	8	208	200	201	209	201	194	201	193	177	156	148	155	—
	9	233	227	226	224	220	223	220	204	194	177	160	165	—
	10	233	230	227	224	222	223	225	210	194	168	157	160	—
	11	226	220	220	218	218	218	213	198	181	161	153	148	—
	12	206	204	201	201	199	201	194	175	156	143	143	144	—
	13	198	198	197	194	194	198	197	188	162	129	120	126	—
	14	213	210	213	213	212	213	220	220	205	181	167	149	—
	15	216	213	207	202	199	196	196	186	177	156	143	140	—
	16	223	220	219	216	216	219	217	204	191	159	155	153	—
	17	225	221	221	218	212	205	212	206	194	177	167	168	—
	18	230	229	224	222	221	220	222	211	188	166	151	155	—
	19	213	210	208	205	204	205	202	184	175	164	155	165	—
	20	213	213	198	201	201	193	194	191	177	172	165	170	—
	21	201	204	198	187	193	195	198	177	156	148	139	145	—
	22	187	184	182	182	183	181	183	176	163	146	135	129	—
	23	179	177	177	177	177	179	181	173	151	126	119	117	—
	24	184	183	183	181	177	183	184	176	162	142	129	131	—
	25	191	191	188	191	191	188	185	182	169	168	160	156	—
	26	219	218	216	218	217	216	210	204	198	187	184	186	—
	27	225	220	218	216	216	216	220	216	201	186	181	184	—
	28	236	233	234	231	229	232	233	246	221	198	173	162	—
	29	256	255	249	243	245	251	267	272	264	237	220	206	—
	30	262	263	260	259	261	261	255	248	230	213	191	190	—
	31	264	264	261	259	255	255	258	255	238	227	216	217	—
Hourly Means.	210	208	206	204	203	203	203	195	180	163	153	152	—	
Mean Batavia Time.	1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.	
MARCH.	1	140	155	156	165	167	165	165	165	172	169	175	152	161
	2	112	118	132	155	165	169	157	169	161	166	169	169	156
	3	126	135	147	156	179	179	169	173	181	173	173	167	156
	4	135	145	151	156	162	169	173	177	177	179	180	181	161
	5	138	145	164	181	190	198	205	208	211	209	210	210	175
	6	124	158	179	194	204	208	211	210	212	208	205	203	181
	7	178	187	196	204	207	213	213	215	218	216	212	213	194
	8	160	177	192	202	211	218	223	235	243	245	245	239	201
	9	179	196	220	239	237	234	234	236	240	236	239	237	217
	10	177	194	204	220	231	233	235	235	235	235	237	233	214
	11	160	174	186	198	208	211	216	215	216	213	213	213	200
	12	155	176	198	204	210	206	208	208	208	205	205	203	190
	13	150	175	191	201	210	210	214	216	215	216	217	214	189
	14	151	172	194	199	203	201	204	209	217	220	220	216	201
	15	151	178	198	209	221	220	227	227	228	229	230	227	199
	16	167	186	206	220	225	223	227	227	229	230	233	228	208
	17	184	201	214	220	226	228	234	235	239	241	240	237	214
	18	175	195	216	223	223	220	220	220	220	219	219	218	209
	19	169	191	210	218	218	217	219	219	219	216	216	215	201
	20	199	204	208	212	211	212	216	213	210	208	209	200	200
	21	155	164	176	185	188	191	194	191	191	191	193	191	181
	22	140	161	184	184	182	177	185	189	186	184	184	181	174
	23	132	144	162	178	190	197	197	194	188	194	191	187	170
	24	140	157	176	179	190	194	201	198	198	198	198	193	177
	25	167	186	201	213	220	219	226	224	223	220	223	222	196
	26	199	213	224	223	219	222	226	227	228	227	228	226	214
	27	196	212	220	230	237	248	255	247	248	248	244	238	222
	28	170	188	222	243	255	252	254	256	264	263	261	255	230
	29	223	251	267	270	267	265	268	270	273	282	281	167	256
	30	210	230	249	264	271	273	276	271	270	270	270	271	251
	31	221	226	233	244	251	258	263	264	263	260	258	258	249
Hourly Means.	164	189	196	206	212	214	217	218	219	218	219	215	198.3	

EASTERLY DECLINATION. A.

HOURLY OBSERVATIONS. — 1° 50' + THE NUMBERS IN THE TABLE.

Mean Batavia Time.		1 A.M.	2	3	4	5	6	7	8	9	10	11	12	
A P R I L.	1	6.3	7.0	6.7	6.7	6.7	6.1	5.0	2.9	1.9	2.1	3.0	3.7	—
	2	6.4	6.6	6.6	7.0	6.7	6.2	5.0	3.2	2.4	3.7	5.2	6.0	—
	3	6.2	6.4	6.4	6.1	5.9	6.1	5.6	4.8	3.6	5.1	5.9	7.0	—
	4	6.3	6.1	6.1	6.0	5.8	5.6	5.3	3.6	3.2	3.7	5.4	6.6	—
	5	6.3	6.2	6.3	6.2	6.1	6.2	5.9	4.8	4.6	5.0	6.0	7.0	—
	6	6.2	6.2	6.3	6.0	5.9	5.5	4.7	2.6	2.7	3.7	5.5	6.4	—
	7	6.2	6.1	6.4	6.2	6.2	6.0	4.8	3.0	2.6	3.1	4.6	6.0	—
	8	6.2	6.4	6.4	6.6	6.3	6.0	5.3	3.6	2.8	3.5	5.3	6.2	—
	9	6.0	6.1	6.4	6.2	6.0	5.5	4.5	2.9	2.6	3.0	4.5	5.5	—
	10	6.0	6.6	6.4	6.2	6.0	6.0	5.1	3.5	3.2	4.2	5.8	6.9	—
	11	6.6	6.7	6.0	5.1	5.4	4.7	5.3	5.6	3.7	4.2	5.3	5.8	—
	12	6.3	6.7	6.9	6.7	6.3	6.0	4.8	2.7	2.7	3.9	6.2	7.5	—
	13	6.4	6.6	6.7	6.3	6.1	6.0	5.8	5.0	4.7	5.0	6.0	6.9	—
	14	6.2	6.2	6.4	6.1	6.0	5.8	5.3	4.2	5.0	5.0	6.1	7.1	—
	15	5.9	6.1	5.9	5.9	5.8	6.0	5.9	5.0	3.9	4.3	5.1	5.9	—
	16	6.3	6.6	6.9	6.3	6.1	5.8	5.2	4.7	3.7	4.7	5.1	5.4	—
	17	5.9	6.1	6.3	6.2	6.0	6.2	6.1	4.8	3.1	3.6	5.0	5.2	—
	18	5.9	7.0	6.8	6.6	6.6	6.8	5.9	4.3	3.0	4.3	4.8	5.4	—
	19	6.2	6.1	6.6	7.0	7.0	7.1	6.6	5.4	3.6	3.2	4.6	6.3	—
	20	6.1	6.2	6.4	6.3	6.9	6.1	6.9	3.7	1.4	0.7	1.4	3.0	—
	21	6.3	6.4	7.0	7.0	7.1	7.7	8.1	5.8	4.0	3.8	4.0	4.8	—
	22	6.1	6.3	6.7	6.6	6.3	6.7	6.2	3.9	2.7	2.4	2.9	3.8	—
	23	6.3	6.4	6.6	6.6	6.4	6.7	6.3	4.8	3.7	3.6	4.6	5.0	—
	24	6.4	6.6	6.9	6.6	6.4	6.2	6.0	5.5*	5.1	5.4	6.6	7.5	—
	25	6.4	7.2	7.2	8.3	8.5	10.0	8.6	6.9	4.0	4.5	4.3	4.2	—
	26	6.3	6.3	6.4	6.4	6.3	6.2	5.4	3.7	3.1	4.0	5.2	5.8	—
	27	6.4	7.0	5.9	6.1	6.4	7.6	7.2	5.4	4.2	3.6	3.7	3.9	—
	28	6.1	6.2	6.3	6.2	6.3	6.1	5.9	3.5	3.6	4.7	5.3	5.9	—
	29	6.3	6.3	6.2	6.2	6.0	6.1	5.3	3.9	4.0	4.2	5.2	6.1	—
	30	6.1	6.0	6.0	6.0	6.0	6.6	6.8	5.3	4.2	3.7	3.8	5.1	—
Hourly Means.		6.2	6.4	6.5	6.4	6.3	6.3	5.8	4.3	3.4	3.9	4.9	5.7	—
Mean Batavia Time.		1 P.M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
A P R I L.	1	5.2	6.2	7.1	7.5	7.1	6.7	6.6	6.4	6.6	6.3	6.3	6.4	5.7
	2	6.4	6.6	6.9	6.7	6.6	6.2	6.7	6.4	6.2	6.3	6.1	6.3	5.9
	3	7.6	7.7	7.5	7.0	6.9	7.0	6.9	6.7	6.1	6.1	6.3	6.4	6.3
	4	7.0	7.2	7.6	7.1	7.2	7.5	7.2	6.9	6.2	6.1	6.2	6.3	6.1
	5	7.2	7.8	8.6	8.5	7.7	7.8	7.2	6.8	6.7	6.3	6.0	6.1	6.6
	6	7.1	8.0	8.1	8.1	7.9	7.1	6.7	6.6	6.2	6.2	6.0	6.2	6.1
	7	7.1	7.8	7.7	7.5	7.2	7.0	6.9	6.3	6.2	6.2	6.2	6.2	6.0
	8	7.1	7.6	8.0	7.2	6.8	6.6	6.8	6.6	6.3	6.2	6.3	6.3	6.1
	9	6.2	6.9	7.0	7.1	6.9	7.1	6.8	6.4	6.4	6.2	6.2	6.4	5.8
	10	7.5	7.9	8.1	7.3	6.0	6.3	6.0	6.2	6.9	6.4	6.4	6.6	6.1
	11	7.1	8.9	8.8	7.3	7.2	7.5	7.7	7.6	6.0	6.1	6.4	6.3	6.3
	12	7.7	7.7	7.5	7.2	7.0	6.7	6.8	6.7	6.8	6.2	6.2	6.2	6.2
	13	7.1	7.1	7.2	7.2	7.0	7.0	6.9	6.1	6.1	6.1	6.2	6.1	6.3
	14	7.8	8.1	8.1	7.7	7.1	6.9	6.9	6.4	6.0	6.2	6.0	5.9	6.4
	15	6.6	6.7	6.8	6.2	6.7	5.9	6.3	5.5	6.0	5.9	5.9	6.1	5.8
	16	5.4	6.1	6.7	6.8	6.8	6.4	6.3	5.8	6.0	6.0	6.0	6.0	5.9
	17	5.8	6.3	7.3	7.2	7.0	7.0	7.0	6.4	6.2	6.1	5.8	5.5	5.9
	18	5.9	5.9	6.3	7.6	7.2	6.9	6.7	3.4	6.1	6.0	6.0	6.1	5.9
	19	6.6	7.8	7.9	7.9	7.2	6.7	6.4	6.1	6.1	5.9	5.9	6.0	6.3
	20	5.0	6.1	8.1	8.1	7.6	7.1	6.6	6.1	5.8	5.9	6.0	6.1	5.6
	21	6.3	7.3	7.7	7.7	6.9	6.2	6.0	5.9	5.5	5.6	5.9	5.9	6.2
	22	4.8	5.9	6.8	7.8	7.6	6.7	6.4	6.3	6.1	6.1	6.2	6.2	5.7
	23	6.0	6.9	7.6	7.7	7.0	6.3	6.4	6.1	6.0	6.1	6.1	6.2	6.1
	24	7.0	7.7	8.5	8.6	7.8	6.4	6.3	5.8	6.2	5.9	6.1	6.4	6.6
	25	6.1	7.7	8.1	7.9	6.8	7.2	6.7	6.0	5.9	6.0	6.2	6.3	6.7
	26	6.1	6.4	6.9	7.0	6.3	7.1	6.4	6.3	6.1	6.0	6.2	6.6	5.9
	27	4.7	4.8	6.0	6.3	6.8	7.0	6.1	6.0	5.6	5.9	6.0	6.1	5.8
	28	6.4	7.1	7.5	7.2	7.0	6.8	6.3	6.2	5.9	5.9	6.0	6.2	6.0
	29	7.0	7.6	7.7	7.7	7.0	7.0	6.6	6.1	6.0	6.0	6.1	6.1	6.1
	30	6.0	6.3	6.9	7.0	6.6	6.4	6.1	6.0	6.0	5.8	6.0	5.6	5.8
Hourly Means.		6.5	7.1	7.5	7.4	7.0	6.8	6.6	6.2	6.2	6.1	6.1	6.2	6.07

HORIZONTAL FORCE A.
OBSERVATIONS. — 0.36800 + THE NUMBERS IN THE TABLE.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
A P R I L.	1	322	325	330	327	331	341	342	352	372	383	390	391	—
	2	327	330	330	337	342	345	351	370	392	406	413	401	—
	3	336	340	342	342	347	351	366	389	416	407	426	431	—
	4	332	334	335	335	337	338	342	358	380	410	421	409	—
	5	332	341	339	338	341	345	356	376	390	409	422	415	—
	6	334	341	346	347	348	353	356	373	392	418	432	429	—
	7	337	339	338	341	345	353	357	370	389	408	427	423	—
	8	341	345	347	348	349	350	355	372	391	412	420	420	—
	9	336	332	333	337	343	345	354	375	395	412	422	423	—
	10	342	347	346	348	353	356	364	377	392	409	419	416	—
	11	348	342	351	347	356	357	343	359	391	403	427	410	—
	12	316	330	323	326	328	331	339	356	366	379	402	389	—
	13	316	324	327	330	333	334	342	361	388	411	416	416	—
	14	334	337	337	335	338	344	350	363	370	400	416	417	—
	15	332	322	336	334	334	335	354	350	355	360	372	376	—
	16	316	323	331	328	328	334	338	356	375	374	394	398	—
	17	318	320	322	324	326	326	340	349	373	383	375	370	—
	18	314	309	314	318	317	319	335	333	356	359	355	362	—
	19	298	306	307	305	308	315	328	336	359	377	377	365	—
	20	326	325	318	332	327	330	332	352	366	368	379	369	—
	21	330	331	328	327	332	333	332	344	353	357	375	375	—
	22	324	326	327	333	324	329	334	348	354	378	390	390	—
	23	321	321	321	323	326	327	345	358	362	378	382	377	—
	24	315	317	317	319	321	324	334	356	357	375	368	367	—
	25	301	313	308	303	287	291	321	313	336	314	314	304	—
	26	284	289	292	298	300	304	315	327	342	354	356	351	—
	27	299	307	331	310	318	310	316	324	337	354	355	350	—
	28	311	312	312	313	314	322	330	342	362	380	386	376	—
	29	320	323	322	331	335	330	348	354	359	376	388	383	—
	30	320	319	319	322	322	329	344	363	385	401	409	398	—
Hourly Means.		323	326	328	329	330	333	342	355	372	385	394	390	—
Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
A P R I L.	1	378	358	345	333	330	327	322	319	314	322	319	322	341
	2	379	361	348	342	342	344	338	335	332	329	333	333	353
	3	392	381	361	350	345	338	335	333	330	329	330	331	360
	4	400	372	355	343	342	342	330	326	331	336	332	332	353
	5	399	371	357	338	338	334	327	331	328	326	332	332	355
	6	411	395	365	358	349	336	328	329	328	330	332	332	361
	7	410	392	373	358	350	356	352	349	342	342	338	339	364
	8	394	376	357	346	342	345	344	337	336	335	333	333	360
	9	411	398	384	363	355	352	349	347	344	343	338	343	364
	10	396	379	366	356	392	360	366	358	337	322	332	341	366
	11	387	354	308	294	293	298	280	281	313	318	315	316	341
	12	370	343	332	323	320	323	324	313	303	309	312	315	336
	13	400	384	362	340	333	330	323	326	327	326	329	331	350
	14	405	391	371	350	344	340	335	332	331	328	333	336	356
	15	361	344	325	314	321	319	310	304	301	306	311	320	333
	16	395	381	363	343	325	331	317	317	312	308	309	312	342
	17	370	366	343	332	318	306	293	293	302	302	310	305	332
	18	323	322	310	296	287	300	293	314	281	281	288	302	316
	19	364	346	297	304	313	315	306	298	300	312	313	323	324
	20	348	325	304	304	309	301	312	315	315	337	318	320	331
	21	357	340	332	318	325	325	319	317	317	318	316	325	334
	22	375	364	342	328	321	321	320	318	314	312	314	324	338
	23	369	360	343	330	327	330	324	314	310	307	312	317	337
	24	358	355	334	322	316	322	316	303	289	298	301	295	328
	25	273	267	245	246	257	243	235	252	261	272	276	280	284
	26	343	336	326	314	309	302	299	292	282	288	293	307	313
	27	341	329	317	309	305	309	313	313	312	306	306	309	320
	28	360	354	341	330	327	323	321	315	311	314	320	317	333
	29	370	358	346	332	321	321	317	318	319	317	318	314	338
	30	378	366	352	338	333	332	336	332	325	321	313	319	345
Hourly Means.		374	359	340	328	326	324	319	318	315	317	318	321	340.3

VERTICAL FORCE. A.														
HOURLY OBSERVATIONS. — 0.19500 + THE NUMBERS IN THE TABLE.														
Mean Batavia Time.	1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—	
A P R I L.	1	256	252	250	251	250	246	249	236	220	204	191	190	—
	2	259	255	257	253	248	251	248	237	220	208	207	215	—
	3	273	270	269	268	265	261	260	241	219	212	197	191	—
	4	288	285	285	284	282	278	277	264	247	219	202	215	—
	5	292	286	284	284	282	280	276	270	259	238	220	222	—
	6	291	286	284	284	283	282	283	269	248	223	210	218	—
	7	293	289	292	289	288	288	292	284	271	251	236	236	—
	8	287	284	284	284	283	282	285	278	256	240	234	233	—
	9	282	280	280	277	273	273	273	268	240	221	210	204	—
	10	268	258	263	261	258	258	258	244	230	211	197	191	—
	11	255	252	248	249	248	240	252	255	241	223	196	204	—
	12	267	256	258	258	256	257	256	252	240	220	191	200	—
	13	292	286	284	282	281	279	277	271	262	244	241	246	—
	14	306	302	300	298	295	292	287	266	255	240	220	216	—
	15	297	296	290	288	288	286	277	273	271	258	245	240	—
	16	303	298	292	292	292	288	286	282	271	271	259	264	—
	17	302	302	302	301	300	299	293	281	270	251	248	249	—
	18	303	304	302	299	300	299	298	299	288	272	278	276	—
	19	313	308	307	306	305	300	299	282	282	260	248	251	—
	20	292	292	295	288	286	283	292	294	292	281	264	263	—
	21	277	275	277	277	273	271	273	271	264	251	241	236	—
	22	296	296	296	293	298	295	299	300	298	283	273	273	—
	23	319	318	317	316	315	312	303	294	289	271	270	279	—
	24	334	329	328	327	325	321	319	297	273	264	260	261	—
	25	335	327	330	332	339	331	327	341	331	326	311	309	—
	26	320	316	315	313	309	308	309	307	296	285	285	287	—
	27	322	315	309	317	314	314	321	315	307	296	292	294	—
	28	334	331	330	329	328	324	320	327	313	302	295	301	—
	29	338	335	334	327	322	326	319	316	306	298	288	289	—
	30	342	342	338	335	331	322	321	319	312	302	294	293	—
Hourly Means.	298	294	293	292	291	288	288	281	269	254	243	245	—	
Mean Batavia Time.	1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.	
A P R I L.	1	198	213	223	240	247	252	258	261	264	267	267	263	240
	2	228	242	258	270	272	271	274	273	277	277	276	273	252
	3	226	243	268	273	279	284	287	290	291	291	289	288	260
	4	230	254	267	277	285	288	299	298	298	293	293	292	271
	5	235	251	267	288	298	299	302	301	302	301	296	293	276
	6	237	251	271	280	292	301	304	304	303	302	300	296	275
	7	244	258	271	283	288	286	291	287	292	292	292	289	278
	8	243	259	276	288	293	292	289	288	288	288	288	286	275
	9	210	218	235	258	268	270	272	270	271	271	270	267	257
	10	201	218	235	247	241	255	251	259	268	280	271	259	245
	11	209	226	260	278	280	271	280	280	274	270	268	269	251
	12	220	247	267	285	288	287	288	292	299	302	299	295	262
	13	255	271	285	301	310	312	316	320	320	314	311	309	286
	14	231	245	266	288	298	298	302	302	305	306	302	296	280
	15	245	258	272	285	291	298	302	309	310	309	306	302	283
	16	270	276	289	305	311	306	313	313	309	314	313	310	293
	17	255	260	282	292	301	309	315	314	310	309	306	309	290
	18	286	286	289	298	309	315	317	322	317	322	320	313	301
	19	255	270	306	309	312	312	310	313	309	300	299	293	294
	20	262	266	273	285	293	299	293	292	292	277	287	285	284
	21	247	255	266	280	289	297	299	300	301	301	302	296	276
	22	277	270	282	293	310	320	324	323	327	327	324	318	300
	23	287	292	300	315	330	331	338	340	342	342	338	335	312
	24	273	280	296	314	328	334	335	338	345	342	337	342	313
	25	299	299	309	321	325	336	344	336	331	328	324	322	326
	26	294	302	313	324	331	334	341	339	345	340	334	320	315
	27	295	302	312	316	323	330	335	335	337	340	338	336	317
	28	305	309	317	330	336	342	345	345	349	349	342	338	327
	29	294	308	319	336	342	343	345	344	343	343	343	343	325
	30	300	312	320	336	343	345	349	350	350	355	358	351	330
Hourly Means.	254	265	280	293	300	304	307	308	309	308	306	303	286.5	

EASTERLY DECLINATION. A.

HOURLY OBSERVATIONS. — 1° 50' + THE NUMBERS IN THE TABLE.

Mean Batavia Time.	1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—	
M A Y.	1	5.4	5.3	5.9	5.2	5.8	6.1	6.1	4.8	4.4	4.2	4.8	6.6	—
	2	5.8	5.4	6.2	6.0	6.0	6.0	5.0	4.0	2.4	1.6	2.2	3.6	—
	3	6.1	6.2	6.2	6.3	6.4	7.0	6.9	4.0	2.1	1.4	2.0	3.7	—
	4	6.1	6.2	6.2	6.3	6.2	6.4	6.4	5.0	3.0	3.7	5.0	5.9	—
	5	6.2	6.3	6.4	6.1	6.2	6.4	6.6	4.4	3.5	3.8	4.5	5.8	—
	6	6.1	6.1	6.1	6.3	6.2	6.6	7.6	6.6	6.0	5.6	5.4	5.0	—
	7	6.1	6.2	6.4	6.3	6.4	7.0	7.0	5.0	3.7	2.8	3.0	3.7	—
	8	6.0	6.1	6.1	6.1	6.1	6.2	6.3	4.7	3.4	2.9	1.9	2.9	—
	9	6.1	6.2	6.3	6.3	6.3	6.6	6.4	4.6	3.0	2.7	2.7	3.8	—
	10	5.9	6.0	6.1	6.1	6.2	6.4	6.8	5.4	3.7	3.6	3.7	5.0	—
	11	7.1	7.0	6.6	7.5	6.3	7.5	7.2	4.8	2.8	2.8	2.8	3.9	—
	12	6.2	6.3	6.0	6.3	6.1	7.2	7.5	6.7	3.9	3.2	3.8	5.1	—
	13	6.1	6.2	6.3	7.1	6.0	7.1	7.1	5.3	4.2	4.2	4.8	5.5	—
	14	6.1	6.3	6.8	6.4	6.3	7.0	7.2	6.1	4.8	3.7	3.9	5.0	—
	15	6.0	6.1	6.1	6.4	6.6	6.6	6.9	5.2	3.9	4.5	5.0	6.0	—
	16	6.1	6.3	6.3	6.3	6.1	6.1	6.0	4.7	3.8	4.3	5.0	6.1	—
	17	6.1	6.2	6.2	6.2	6.2	6.8	7.1	5.2	3.9	3.8	3.7	4.7	—
	18	6.1	6.1	6.6	6.6	6.7	7.1	6.8	6.0	4.8	4.0	3.8	4.6	—
	19	6.1	6.3	6.4	6.6	6.3	6.9	7.5	6.4	5.9	4.6	3.9	4.7	—
	20	6.2	6.2	6.6	6.8	6.8	6.4	7.1	5.9	5.0	4.8	5.0	5.3	—
	21	6.1	6.1	6.3	6.1	6.1	6.3	6.8	5.9	4.7	3.8	3.5	4.2	—
	22	5.9	6.0	6.1	6.0	6.1	6.3	6.4	4.7	3.2	2.6	2.6	3.1	—
	23	5.9	5.8	5.6	6.0	5.9	6.6	6.4	5.1	5.0	5.1	3.8	4.0	—
	24	6.0	6.2	6.2	6.2	6.2	6.8	7.5	6.1	5.0	4.3	4.8	5.3	—
	25	5.9	6.1	6.0	6.1	6.3	6.6	7.1	6.0	4.0	3.8	4.0	5.0	—
	26	6.1	6.1	6.1	6.1	6.1	6.4	7.1	4.7	3.0	3.0	3.8	5.0	—
	27	6.0	6.0	6.0	6.0	5.9	6.2	6.9	6.1	5.3	5.3	5.3	5.5	—
	28	5.5	6.0	5.8	5.8	6.0	6.2	7.1	6.1	5.1	4.8	4.7	5.4	—
	29	5.6	5.8	5.9	6.0	6.0	6.4	7.0	5.6	5.0	4.8	4.8	5.5	—
	30	5.8	6.0	5.9	6.0	6.0	6.2	6.6	5.1	3.7	2.6	2.3	2.1	—
	31	5.6	5.5	5.5	5.8	5.9	5.9	6.6	5.5	4.7	4.2	4.0	4.4	—
Hourly Meaus.	6.0	6.1	6.2	6.2	6.2	6.6	6.8	5.3	4.1	3.8	3.9	4.7	—	
Mean Batavia Time.	1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.	
M A Y.	1	8.9	9.4	9.4	8.9	8.5	8.0	7.0	5.8	5.9	5.0	5.4	5.3	6.3
	2	4.8	5.6	6.7	7.5	7.1	6.4	6.3	6.0	5.9	5.8	5.9	6.0	5.3
	3	5.3	6.6	7.6	8.1	7.6	6.9	6.4	6.1	6.1	6.0	6.1	6.1	5.7
	4	6.3	7.3	8.1	7.7	7.1	6.4	6.6	6.1	6.0	6.0	6.0	6.1	6.1
	5	6.3	7.0	7.5	7.5	7.7	6.6	6.1	6.0	5.6	5.9	6.0	6.0	6.0
	6	4.7	5.0	6.0	6.7	6.4	6.4	6.2	6.0	5.9	5.5	5.3	6.0	6.0
	7	5.3	6.2	7.5	7.3	6.9	6.6	6.1	6.1	5.4	5.8	6.0	5.9	5.8
	8	5.0	6.3	7.8	7.7	7.2	7.0	6.2	6.0	5.9	5.9	6.0	6.1	5.7
	9	6.0	7.3	7.8	7.7	7.2	6.4	6.3	6.1	6.0	5.9	5.8	5.6	5.8
	10	6.3	6.9	7.9	8.1	7.2	6.6	6.4	6.0	6.1	5.2	5.5	6.0	6.0
	11	5.5	6.6	7.1	7.6	7.2	6.1	6.0	6.0	5.6	5.9	6.1	5.9	5.9
	12	6.2	7.6	8.4	8.5	7.5	6.2	6.1	6.0	5.9	5.9	5.6	5.9	6.2
	13	6.1	7.0	7.1	7.1	6.8	6.6	6.2	5.9	5.9	6.0	6.1	6.1	6.1
	14	6.8	7.3	7.6	7.2	6.9	6.2	6.1	6.0	5.8	5.9	5.9	6.0	6.1
	15	6.6	7.2	7.2	7.1	6.4	6.2	6.1	5.9	5.9	5.5	5.3	5.9	6.0
	16	7.1	7.2	7.2	7.2	7.1	6.2	6.1	6.0	5.5	5.4	6.0	6.1	6.0
	17	6.0	6.9	7.7	7.8	7.1	6.2	6.1	5.4	5.8	5.8	5.8	6.0	5.9
	18	5.4	5.9	6.6	7.0	6.9	6.2	6.0	5.8	5.4	5.5	5.9	6.0	5.9
	19	5.9	6.4	7.1	7.1	6.3	6.0	6.3	6.1	6.0	5.9	6.1	6.2	6.1
	20	6.0	6.6	6.8	7.0	6.4	5.6	5.5	5.4	5.5	5.9	6.0	6.0	6.0
	21	5.2	6.0	6.3	6.4	6.1	6.0	6.0	6.0	5.5	5.8	5.9	5.9	5.7
	22	4.3	5.5	7.0	7.1	5.9	5.4	5.9	5.2	5.6	5.6	5.5	5.4	5.3
	23	5.0	6.1	7.2	7.5	7.2	6.2	6.0	5.2	5.2	5.3	5.5	5.9	5.7
	24	5.4	6.0	6.6	6.9	6.6	6.1	5.6	5.3	5.2	5.3	5.3	5.8	5.9
	25	5.3	6.3	7.6	7.6	6.4	6.1	5.5	5.4	5.3	5.6	6.0	6.1	5.8
	26	6.1	6.4	6.6	7.1	6.4	6.0	5.8	5.1	5.3	5.4	5.9	5.9	5.6
	27	6.1	7.0	7.0	7.0	6.6	6.0	5.9	5.9	5.3	5.4	5.6	5.5	6.0
	28	6.3	7.5	7.6	8.4	7.5	6.3	6.0	6.0	5.6	5.9	5.9	5.6	6.1
	29	5.5	5.9	6.3	6.7	6.2	5.9	5.6	5.4	5.1	5.8	5.4	5.5	5.8
	30	2.9	4.7	6.3	7.5	6.9	6.1	6.0	5.9	5.1	5.4	5.5	5.5	5.3
	31	4.8	5.3	6.1	6.0	6.1	5.9	6.0	5.3	5.3	5.0	5.1	5.2	5.4
Hourly Means.	5.7	6.5	7.2	7.4	6.9	6.3	6.1	5.8	5.7	5.7	5.8	5.9	55.85	

HORIZONTAL FORCE, A.

HOURLY OBSERVATIONS. — 0.36800 + THE NUMBERS IN THE TABLE.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
M A Y.	1	318	318	318	320	320	328	337	366	377	388	409	411	—
	2	291	313	302	305	309	313	328	331	335	359	356	340	—
	3	314	316	316	321	323	332	341	355	373	391	392	371	—
	4	321	317	318	321	323	331	340	351	365	383	390	378	—
	5	327	327	328	331	333	337	345	356	369	385	388	387	—
	6	328	331	335	334	335	340	350	365	378	387	383	379	—
	7	330	333	337	339	340	343	354	364	378	403	402	405	—
	8	330	335	329	336	336	339	343	350	359	354	363	364	—
	9	333	336	337	339	340	343	348	360	369	388	398	393	—
	10	336	337	338	342	345	349	356	367	386	408	424	428	—
	11	326	328	327	340	338	335	338	355	375	363	382	352	—
	12	313	319	324	325	332	331	345	340	372	366	370	338	—
	13	317	318	316	326	332	329	338	351	370	388	390	380	—
	14	325	325	326	335	331	332	341	349	361	383	387	382	—
	15	327	335	333	328	329	340	350	365	389	392	389	370	—
	16	310	317	318	318	325	329	336	344	358	359	370	368	—
	17	330	329	330	331	334	337	344	351	365	375	381	380	—
	18	323	325	323	326	328	336	344	350	360	377	375	367	—
	19	330	330	330	333	333	335	338	344	351	362	367	364	—
	20	314	319	313	316	320	339	335	344	355	363	359	358	—
	21	322	322	323	325	325	331	340	348	360	373	378	378	—
	22	337	334	336	336	334	337	351	364	378	393	402	397	—
	23	328	313	356	329	334	332	346	356	358	364	351	342	—
	24	314	313	317	319	329	332	338	349	359	365	369	361	—
	25	322	319	332	328	328	335	346	361	349	359	360	349	—
	26	332	336	339	346	350	355	367	376	384	391	390	381	—
	27	331	333	336	339	342	345	353	363	377	384	380	374	—
	28	336	340	339	336	343	343	348	350	356	367	375	370	—
	29	330	333	335	335	339	344	355	369	377	390	401	400	—
	30	337	336	338	337	338	340	347	358	365	379	383	381	—
	31	349	353	351	353	352	358	365	371	380	396	404	402	—
Hourly Means.		325	327	329	331	333	337	345	356	367	379	383	376	—
Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
M A Y.	1	339	315	286	266	247	253	281	289	278	278	273	294	317
	2	326	320	313	317	318	317	314	311	309	311	314	313	319
	3	362	350	337	323	312	320	324	323	315	315	317	320	336
	4	364	353	346	337	329	328	322	322	325	320	322	322	339
	5	372	358	344	334	325	324	327	323	325	323	325	328	343
	6	369	362	345	328	327	337	338	336	333	333	334	327	346
	7	383	351	345	329	326	338	340	330	328	328	325	329	349
	8	359	343	336	332	335	335	336	335	334	333	333	334	341
	9	382	368	349	334	333	338	338	334	327	328	330	333	349
	10	417	410	381	355	344	330	335	335	316	309	314	318	358
	11	340	333	317	311	295	310	315	316	314	314	311	319	331
	12	343	324	299	290	288	299	301	306	302	310	317	321	324
	13	368	344	327	324	321	319	311	314	316	319	319	328	336
	14	378	360	345	335	319	326	326	323	322	323	326	324	341
	15	363	352	326	317	317	311	301	389	285	289	297	306	333
	16	353	340	329	313	316	322	323	324	323	323	320	328	332
	17	368	348	341	328	326	326	324	328	322	322	323	322	340
	18	360	349	338	330	326	324	327	324	324	324	326	329	338
	19	356	355	341	340	328	330	313	308	294	294	302	306	333
	20	351	343	334	328	327	327	323	321	318	318	320	320	332
	21	368	351	339	330	330	330	329	329	329	332	332	336	340
	22	382	367	354	345	241	343	336	336	325	312	314	321	349
	23	340	322	313	299	295	299	302	297	294	302	304	316	325
	24	332	323	313	303	312	313	313	317	319	317	318	323	328
	25	357	345	338	328	324	325	325	323	322	324	326	328	336
	26	362	352	345	338	334	334	333	334	333	329	330	331	350
	27	367	355	349	339	328	334	334	333	335	332	333	338	347
	28	357	350	343	321	320	324	329	327	324	327	330	331	341
	29	387	376	363	344	330	331	333	330	327	330	335	335	351
	30	377	372	368	348	340	342	342	339	339	341	347	349	352
	31	399	404	392	384	364	351	335	337	331	328	340	345	364
Hourly Means.		364	351	339	327	322	324	324	322	319	319	321	325	339.4

VERTICAL FORCE A.

HOURLY OBSERVATIONS. — 0.19500 + THE NUMBERS IN THE TABLE.

Mean Batavia Time.	1 A. M.	2	3	4	5	6	7	8	9	10	11	12		
M A Y.	1	350	345	345	342	338	331	328	307	301	289	272	266	
	2	350	341	342	340	338	336	330	335	331	316	310	313	—
	3	342	341	338	337	336	330	331	325	315	294	284	287	—
	4	338	338	336	336	335	328	329	329	329	301	293	301	—
	5	352	349	348	344	343	337	336	330	321	308	300	302	—
	6	342	340	338	338	338	333	330	319	310	302	302	305	—
	7	329	327	324	322	322	319	316	315	311	293	292	286	—
	8	322	319	321	317	317	314	314	312	314	315	306	295	—
	9	322	320	319	315	315	313	312	298	295	287	288	293	—
	10	301	300	299	295	294	292	286	284	277	266	255	249	—
	11	295	293	293	288	291	292	296	298	293	286	264	269	—
	12	312	309	306	306	302	301	300	306	302	293	286	293	—
	13	306	304	301	299	293	293	295	293	285	268	259	262	—
	14	298	296	295	292	293	291	288	293	292	277	270	265	—
	15	312	306	306	309	309	301	300	293	278	267	261	263	—
	16	312	306	306	306	302	298	296	293	287	272	259	262	—
	17	314	314	313	309	306	302	301	298	292	282	276	271	—
	18	319	315	315	314	312	304	304	300	302	293	288	280	—
	19	323	323	322	321	320	315	314	315	319	321	319	312	—
	20	336	334	335	333	329	317	320	327	320	319	320	317	—
	21	335	334	331	331	330	323	318	316	313	306	306	299	—
	22	328	328	327	325	326	321	317	316	313	300	299	293	—
	23	331	338	323	330	328	324	323	320	321	320	329	331	—
	24	325	324	322	320	316	312	314	314	312	309	301	306	—
	25	331	332	326	327	327	320	317	315	306	298	294	299	—
	26	319	314	310	306	306	301	298	299	298	292	277	273	—
	27	336	331	329	328	327	320	317	315	309	300	293	293	—
	28	330	327	324	325	321	315	314	309	310	308	304	293	—
	29	332	328	327	324	321	314	309	277	286	285	283	280	—
	30	319	317	316	315	312	306	306	313	314	306	303	304	—
	31	303	300	300	297	296	290	284	285	286	277	270	271	—
Hourly Means.	325	322	321	319	318	313	311	308	305	295	289	288	—	
Mean Batavia Time.	1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.	
M A Y.	1	294	316	350	369	373	370	357	352	359	362	363	349	335
	2	318	324	322	328	338	342	347	347	345	343	343	342	334
	3	293	300	309	324	337	338	338	340	343	343	341	337	325
	4	312	320	330	344	357	359	363	361	360	359	360	357	336
	5	313	323	336	342	345	351	351	350	348	345	343	342	336
	6	307	316	320	334	337	335	335	335	331	331	331	331	327
	7	286	304	310	324	331	322	323	328	328	327	329	327	316
	8	293	298	302	309	317	321	327	328	327	324	324	322	315
	9	292	294	300	306	308	307	308	307	308	307	307	306	305
	10	258	264	275	295	308	313	311	309	312	317	309	305	291
	11	272	273	286	295	309	311	309	313	313	314	314	309	295
	12	284	294	309	315	322	318	315	314	314	313	309	306	305
	13	270	282	296	299	306	308	309	307	305	303	303	298	294
	14	269	284	294	309	322	320	317	317	319	316	316	315	298
	15	270	285	306	321	323	325	327	330	331	328	321	315	304
	16	271	286	293	307	312	315	315	317	319	319	319	315	299
	17	270	279	287	306	316	319	319	319	320	320	320	320	303
	18	286	292	298	308	322	327	327	328	327	327	327	323	310
	19	308	306	316	324	336	339	343	343	350	347	342	338	326
	20	315	319	324	334	342	343	343	343	343	342	340	337	331
	21	304	315	317	327	334	338	341	338	338	336	334	331	325
	22	294	294	306	317	333	336	337	337	342	347	343	337	322
	23	331	331	328	332	341	340	338	340	341	336	334	324	331
	24	314	320	321	328	336	341	338	338	338	338	336	333	323
	25	306	308	314	330	341	341	339	338	337	333	328	322	322
	26	282	293	304	317	328	336	338	342	343	342	340	338	312
	27	304	313	315	323	335	336	336	336	336	336	336	331	322
	28	293	294	307	324	333	336	335	336	339	338	335	333	320
	29	286	293	301	309	320	328	327	329	330	327	322	321	311
	30	300	300	293	302	313	317	317	316	315	312	306	305	309
	31	273	277	287	300	309	316	322	322	322	322	315	309	297
Hourly Means.	293	300	308	319	329	331	331	331	332	331	329	325	315.5	

EASTERLY DECLINATION. A.

HOURLY OBSERVATIONS. — 1° 50' + THE NUMBERS IN THE TABLE.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
J U N E.	1	5.3	5.8	6.1	5.9	5.3	6.0	6.4	5.6	3.8	3.0	2.9	3.7	—
	2	6.1	6.6	6.0	6.1	6.3	7.1	7.8	6.3	4.6	3.2	2.7	3.4	—
	3	5.0	6.4	5.3	6.0	6.0	6.1	7.1	5.4	3.9	3.7	3.9	4.7	—
	4	6.0	5.8	5.9	5.9	6.0	6.2	7.0	5.3	3.9	2.7	2.6	3.2	—
	5	5.3	5.8	6.0	6.1	6.1	6.6	7.0	5.9	4.7	3.7	3.4	3.0	—
	6	5.6	6.0	6.0	6.0	6.1	6.6	7.2	6.3	5.0	3.7	3.2	3.5	—
	7	5.8	6.0	6.2	6.4	7.0	6.7	8.1	6.7	5.2	4.3	3.8	4.2	—
	8	5.8	6.0	6.0	6.0	6.0	6.1	6.9	5.9	4.8	4.3	3.7	4.5	—
	9	5.4	5.3	5.4	5.5	5.5	6.0	6.2	5.3	4.3	3.7	4.7	4.8	—
	10	5.9	6.0	6.1	6.1	6.1	6.4	7.1	6.1	5.3	5.0	5.0	5.5	—
	11	6.0	6.1	6.1	6.1	6.1	6.4	7.6	7.1	6.1	4.8	4.3	4.8	—
	12	5.9	6.0	6.0	6.1	6.0	6.4	7.6	7.1	6.2	5.4	5.1	5.1	—
	13	5.4	6.0	6.1	6.0	6.2	6.7	7.7	7.3	6.3	5.1	4.7	4.7	—
	14	5.6	5.2	5.9	6.3	6.4	6.7	7.9	7.5	5.3	4.7	4.8	5.0	—
	15	5.9	6.0	6.0	6.1	6.2	6.9	8.0	7.2	6.1	5.0	4.0	4.2	—
	16	5.8	5.9	6.0	6.0	6.1	6.2	7.0	6.3	5.8	5.4	5.5	5.8	—
	17	6.2	6.1	6.1	6.1	6.1	6.3	6.6	6.0	5.2	4.7	4.3	4.7	—
	18	6.0	6.1	6.2	6.1	6.1	6.1	6.7	6.1	5.3	5.1	4.8	4.7	—
	19	6.0	6.1	6.1	6.1	6.2	6.9	7.6	6.6	6.6	4.6	4.5	3.9	—
	20	5.8	6.0	6.2	6.2	6.1	6.2	6.3	5.1	4.0	3.2	3.6	4.2	—
	21	5.8	6.0	6.0	6.0	6.1	6.1	6.4	5.6	4.0	3.9	5.0	5.2	—
	22	5.2	5.3	5.3	5.4	5.6	6.0	6.8	5.9	4.7	3.7	3.6	4.7	—
	23	5.3	5.3	5.6	5.8	5.3	6.0	6.4	5.1	3.8	3.0	3.5	2.9	—
	24	3.9	4.3	4.7	4.6	5.6	5.5	6.3	5.6	5.2	4.8	4.0	4.7	—
	25	4.8	5.2	5.4	5.4	5.8	6.0	6.9	5.9	4.7	3.7	3.6	4.0	—
	26	5.2	5.4	5.5	5.5	5.6	5.9	7.3	7.1	6.4	6.1	6.0	5.3	—
	27	5.1	5.2	5.4	5.6	5.8	6.1	6.4	5.5	4.8	5.0	5.3	5.8	—
	28	5.2	5.5	5.5	5.8	5.9	6.1	6.4	5.5	4.3	4.3	4.5	4.5	—
	29	5.5	5.8	6.2	6.0	6.0	6.0	6.7	5.5	4.6	3.9	3.6	4.8	—
	30	5.2	5.2	5.4	5.4	5.5	5.6	6.9	6.1	5.4	4.7	3.7	4.2	—
Hourly Means.		5.5	5.7	5.8	5.9	6.0	6.3	7.0	6.1	5.0	4.3	4.1	4.5	—
Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
J U N E.	1	5.0	6.4	7.2	7.7	7.6	7.0	5.9	5.9	5.3	5.4	5.3	6.0	5.6
	2	4.7	5.2	6.2	7.0	6.8	6.1	6.0	5.6	5.1	5.1	4.8	4.4	5.6
	3	5.4	6.2	6.8	6.8	6.1	6.0	5.4	5.3	5.2	5.0	5.4	5.5	5.5
	4	4.4	5.9	6.1	6.1	5.4	5.3	5.3	5.2	5.0	5.1	5.2	5.3	5.2
	5	3.5	5.0	7.0	7.2	6.1	5.1	5.3	5.0	5.0	5.0	5.3	5.5	5.4
	6	3.9	5.1	6.6	7.0	6.2	5.6	5.9	5.4	5.2	5.1	5.2	5.3	5.5
	7	4.7	5.2	6.1	6.4	6.6	6.1	5.9	5.3	5.4	5.4	5.5	5.6	5.8
	8	5.3	5.9	6.2	7.1	6.6	6.0	5.8	5.4	5.3	5.1	5.1	5.3	5.6
	9	5.2	6.0	6.6	6.7	6.9	6.1	6.0	5.3	5.2	5.5	5.3	5.4	5.5
	10	6.1	7.7	8.3	8.1	7.6	6.6	6.2	5.9	5.4	5.4	5.5	5.6	6.2
	11	5.1	5.1	5.5	5.9	6.3	6.0	6.0	6.0	5.8	5.4	5.4	5.8	5.8
	12	5.3	5.9	6.2	6.2	6.1	5.5	5.3	5.4	5.3	5.3	5.4	5.6	5.9
	13	5.0	5.5	6.3	6.9	6.0	5.4	5.4	5.3	5.3	5.3	5.8	5.5	5.8
	14	5.3	6.0	6.3	6.8	6.4	6.0	5.8	5.4	5.6	5.5	5.4	5.4	5.9
	15	4.8	5.8	6.3	6.3	6.1	6.0	5.6	5.5	5.2	5.3	5.4	5.5	5.8
	16	5.3	5.5	6.3	6.3	5.9	5.5	5.6	5.6	5.5	5.6	5.9	6.0	5.9
	17	5.1	5.3	6.1	6.4	6.0	5.2	5.0	5.0	4.3	4.7	4.8	5.4	5.5
	18	4.6	5.0	6.0	6.2	6.0	4.8	4.7	4.8	4.8	4.8	5.1	5.6	5.5
	19	4.3	5.0	5.8	6.9	6.4	5.4	5.0	4.8	4.8	4.8	5.1	5.4	5.6
	20	5.0	6.0	6.1	6.2	6.1	5.3	5.0	5.0	4.8	5.1	5.3	5.4	5.3
	21	5.3	6.1	6.3	6.0	5.3	5.0	5.0	4.8	4.8	4.8	5.0	5.1	5.4
	22	5.1	5.6	6.0	6.1	6.2	5.3	4.8	5.0	4.8	4.3	4.8	5.2	5.2
	23	3.7	4.8	6.4	8.4	8.4	5.6	5.3	5.3	5.0	4.2	4.0	4.0	5.1
	24	5.0	5.3	5.4	7.0	6.2	6.0	5.2	5.5	4.8	4.7	4.7	4.8	5.2
	25	4.3	5.2	6.1	6.1	6.2	5.4	5.3	5.1	5.0	5.1	5.0	5.1	5.2
	26	4.8	4.7	4.8	5.1	5.4	5.1	5.0	5.0	4.8	4.8	5.0	5.0	5.5
	27	6.0	5.5	6.3	6.7	6.3	5.9	5.4	5.0	4.7	4.7	5.0	5.1	5.5
	28	4.5	5.0	5.2	5.3	5.9	5.0	5.1	5.1	5.3	4.8	4.8	5.3	5.2
	29	6.0	6.1	6.4	7.0	6.2	5.4	5.0	4.5	4.7	4.7	4.8	5.0	5.4
	30	5.3	5.4	5.6	5.6	5.1	4.8	4.7	4.6	4.2	4.7	4.7	4.8	5.1
Hourly Means.		4.9	5.6	6.2	6.6	6.3	5.6	5.4	5.2	5.1	5.0	5.1	5.3	5.52

HORIZONTAL FORCE. A.

HOURLY OBSERVATIONS. — 0.36800 + THE NUMBERS IN THE TABLE,

Mean Batavia Time.		1 A.M.	2	3	4	5	6	7	8	9	10	11	12	—
J U N E.	1	351	352	355	364	362	369	369	379	387	395	393	387	—
	2	315	322	329	326	330	341	352	360	368	368	359	348	—
	3	273	268	277	288	296	310	326	345	357	371	377	363	—
	4	330	332	328	331	334	336	347	360	371	379	382	384	—
	5	335	336	345	339	342	347	361	377	392	397	401	394	—
	6	335	335	341	343	344	348	356	356	369	379	382	374	—
	7	336	339	338	339	344	352	358	366	383	393	393	383	—
	8	336	338	340	342	342	346	352	366	380	390	399	393	—
	9	340	340	341	341	343	347	357	364	374	381	384	380	—
	10	335	334	333	334	337	343	359	365	381	390	395	392	—
	11	340	339	341	341	346	353	370	387	391	406	408	398	—
	12	344	344	346	348	350	355	372	381	389	400	399	395	—
	13	339	341	338	345	342	345	358	371	376	381	382	373	—
	14	330	331	333	331	337	340	339	340	360	363	374	372	—
	15	334	341	333	333	336	340	347	358	368	381	387	390	—
	16	341	344	348	349	350	354	362	370	376	380	387	389	—
	17	339	342	346	348	351	354	362	370	377	383	384	382	—
	18	343	348	350	357	360	365	379	386	398	409	410	399	—
	19	361	355	353	340	346	351	363	372	362	365	354	358	—
	20	323	322	323	328	329	335	345	353	360	369	369	362	—
	21	332	333	337	340	341	343	343	346	349	351	354	355	—
	22	337	340	345	347	349	355	362	367	373	383	388	377	—
	23	323	329	329	333	345	355	373	388	395	413	380	390	—
	24	280	280	281	288	311	329	343	341	343	362	366	369	—
	25	314	314	315	319	320	327	340	354	363	374	375	366	—
	26	323	325	327	327	329	334	342	351	357	372	378	378	—
	27	331	331	331	331	332	341	353	362	372	386	385	378	—
	28	341	339	342	345	345	353	358	361	358	366	373	373	—
	29	320	324	325	346	349	358	369	386	398	401	397	391	—
	30	340	340	340	345	344	347	358	369	380	396	391	372	—
Hourly Means.		331	332	334	336	340	346	356	365	374	383	384	379	—
Mean Batavia time.		1 P.M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
J U N E.	1	374	357	332	307	284	273	285	284	288	293	304	307	340
	2	342	332	317	303	301	307	307	305	298	269	265	284	323
	3	324	335	327	317	325	325	331	322	323	327	325	327	323
	4	376	369	357	342	339	334	331	332	327	323	324	330	346
	5	384	363	337	332	335	333	336	335	333	335	336	336	353
	6	369	360	346	337	326	334	337	331	329	330	331	334	347
	7	376	363	347	331	326	326	327	328	331	333	331	337	349
	8	380	368	352	333	333	338	336	335	333	336	337	338	352
	9	373	366	357	343	331	333	327	332	336	335	333	337	350
	10	390	381	358	338	329	329	331	331	334	337	339	339	351
	11	391	373	358	348	341	345	344	336	337	336	339	342	359
	12	386	376	363	351	343	345	342	340	335	338	332	332	359
	13	363	357	342	336	342	339	335	336	335	335	336	337	349
	14	363	354	345	326	315	321	323	323	322	321	322	336	338
	15	382	372	360	345	343	338	339	335	338	338	340	341	351
	16	383	373	362	351	346	345	341	341	340	338	337	337	356
	17	386	379	370	360	357	348	350	337	340	336	333	338	357
	18	378	378	369	368	375	382	380	368	365	368	365	359	373
	19	328	297	291	290	300	303	313	315	317	320	318	317	333
	20	352	337	328	323	327	327	327	324	326	330	330	331	337
	21	346	336	327	322	320	325	324	327	328	331	332	337	337
	22	367	354	345	336	330	331	326	321	303	302	305	313	344
	23	385	392	322	255	213	267	260	253	234	254	273	272	322
	24	336	321	315	296	287	294	290	297	305	306	308	310	315
	25	356	353	342	333	322	314	318	319	320	323	323	327	335
	26	371	361	343	331	323	324	328	329	328	328	328	329	340
	27	364	356	336	329	323	318	318	322	327	329	331	339	343
	28	365	363	355	342	334	344	337	341	331	332	327	321	348
	29	378	363	355	335	325	321	324	326	325	328	333	338	351
	30	364	354	358	347	344	340	344	341	339	332	330	336	352
Hourly Means.		368	358	344	330	325	327	327	326	324	325	326	329	344.4

VERTICAL FORCE. A.

HOURLY OBSERVATIONS. — 0.19500 + THE NUMBERS IN THE TABLE.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
J U N E.	1	307	306	306	302	302	296	297	293	293	287	280	279	—
	2	319	316	312	314	313	304	302	299	305	300	302	296	—
	3	330	327	320	307	304	293	287	280	275	269	266	272	—
	4	300	298	297	296	293	288	280	284	284	278	271	264	—
	5	308	306	302	302	301	293	293	292	292	293	291	300	—
	6	329	328	324	323	324	322	320	315	315	309	301	304	—
	7	321	320	321	320	317	312	309	313	315	313	309	308	—
	8	330	328	327	324	324	320	316	313	309	309	307	302	—
	9	336	336	335	334	334	329	327	322	323	319	316	302	—
	10	338	337	336	335	334	328	319	314	306	295	287	286	—
	11	320	319	316	316	314	306	295	292	292	286	286	298	—
	12	324	322	322	321	320	315	306	306	307	306	306	306	—
	13	335	330	329	327	327	322	315	307	308	306	304	306	—
	14	329	327	324	321	319	314	312	307	306	306	306	306	—
	15	320	314	315	314	309	305	300	286	286	282	280	284	—
	16	313	310	306	306	302	298	292	288	286	285	285	288	—
	17	322	319	316	314	312	306	302	299	300	296	298	295	—
	18	329	328	328	323	322	315	314	302	299	300	305	313	—
	19	336	337	337	343	338	329	329	327	338	342	347	344	—
	20	350	351	351	349	349	343	342	341	338	331	328	328	—
	21	360	358	357	353	351	348	350	346	343	342	331	331	—
	22	364	360	358	358	357	351	348	342	340	335	331	334	—
	23	360	358	356	351	343	339	334	324	321	309	320	314	—
	24	362	358	354	347	336	327	315	320	324	320	325	327	—
	25	349	346	345	343	343	338	331	328	330	331	327	327	—
	26	351	350	347	343	342	335	328	315	316	317	315	315	—
	27	349	345	344	344	343	336	328	328	321	312	309	313	—
	28	360	358	355	351	350	342	336	330	328	322	327	329	—
	29	369	365	363	351	351	343	336	321	320	323	314	312	—
	30	353	353	353	350	349	343	336	333	331	328	327	340	—
Hourly Means.		336	334	332	329	327	321	317	312	312	308	307	307	—
Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
J U N E.	1	285	292	309	328	342	344	340	336	335	331	326	322	310
	2	295	302	308	318	323	322	321	320	326	341	343	329	314
	3	296	300	305	309	311	312	312	314	313	309	306	302	301
	4	272	285	295	307	321	322	322	321	322	320	319	312	298
	5	298	296	296	317	331	336	331	334	334	331	331	329	310
	6	296	293	296	309	322	328	328	328	328	327	327	323	317
	7	307	312	321	329	336	337	338	338	337	335	335	331	322
	8	309	315	316	327	338	341	342	343	343	342	342	337	325
	9	321	321	320	331	338	343	348	343	342	342	342	341	331
	10	285	287	303	322	330	331	329	329	328	327	323	321	318
	11	306	322	325	327	329	330	331	335	331	331	328	327	315
	12	307	315	324	336	340	342	342	341	342	339	340	338	324
	13	307	312	319	328	333	335	336	334	335	331	329	328	323
	14	306	307	312	322	331	334	331	331	331	331	328	320	319
	15	292	293	301	316	321	322	321	320	319	317	315	314	306
	16	299	311	315	326	331	331	330	328	328	327	324	323	310
	17	293	299	308	317	329	337	336	341	341	339	340	334	316
	18	319	320	327	331	341	338	338	341	342	342	338	338	325
	19	342	352	349	350	356	360	357	357	358	357	357	352	346
	20	331	342	347	357	366	371	371	371	372	367	366	364	351
	21	336	338	349	360	369	371	370	370	368	367	365	364	354
	22	336	342	343	350	363	372	377	379	388	381	376	367	356
	23	316	317	341	376	400	382	379	381	383	376	366	367	351
	24	338	342	343	350	359	359	364	360	358	358	356	352	344
	25	323	324	329	341	351	359	360	358	358	357	356	353	342
	26	329	338	342	354	358	358	355	352	354	352	352	350	340
	27	326	334	344	357	369	373	373	373	371	367	365	362	345
	28	336	336	343	355	359	362	365	365	370	368	370	370	349
	29	315	322	330	351	365	370	370	366	365	364	358	356	346
	30	351	356	349	358	365	370	369	371	371	370	367	364	352
Hourly Means.		312	318	324	335	344	346	346	346	346	345	343	340	328.7

EASTERLY DECLINATION. A.

HOURLY OBSERVATIONS. — 1° 50' + THE NUMBERS IN THE TABLE.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
JULY.	1	5.0	5.0	5.2	5.1	5.0	5.2	5.9	4.5	3.7	3.9	4.7	5.4	—
	2	5.0	5.0	5.2	5.1	5.2	6.0	6.6	5.4	4.2	3.7	3.7	4.2	—
	3	5.0	5.2	5.5	5.8	6.4	7.6	8.6	8.0	6.0	4.0	4.0	4.5	—
	4	5.1	3.1	3.5	3.7	4.0	7.3	7.1	6.2	6.1	5.3	5.0	5.2	—
	5	5.2	5.8	6.0	6.0	6.1	6.2	7.6	6.8	5.9	5.8	5.5	5.1	—
	6	5.3	5.8	6.0	6.2	6.9	7.0	7.2	6.9	5.3	4.7	5.0	4.8	—
	7	5.8	6.0	6.1	6.1	6.2	6.3	6.4	5.9	4.5	4.3	4.2	3.8	—
	8	5.9	6.0	6.2	6.2	6.3	6.4	6.8	5.9	5.0	4.8	4.8	4.2	—
	9	5.0	5.3	5.8	6.0	6.0	6.2	7.1	6.0	4.4	4.0	3.8	3.8	—
	10	5.3	5.4	5.8	5.8	6.1	6.1	6.9	5.9	4.8	3.1	2.7	2.7	—
	11	5.2	5.4	5.4	5.5	5.8	6.3	6.6	5.3	3.6	2.8	2.7	2.7	—
	12	4.4	5.0	5.0	5.3	5.4	5.9	7.0	5.5	3.7	2.4	2.7	3.7	—
	13	5.4	5.4	5.5	5.4	5.9	6.6	6.7	5.9	4.6	3.7	2.7	2.8	—
	14	5.0	5.4	5.4	5.5	5.8	6.2	7.6	5.1	3.8	3.4	4.4	5.4	—
	15	5.1	5.3	5.4	5.6	6.0	6.1	6.3	5.0	3.7	3.0	3.5	4.5	—
	16	5.2	5.4	5.8	5.6	5.8	5.8	6.1	4.7	3.6	2.7	3.1	1.6	—
	17	5.1	5.3	5.4	5.5	5.6	5.9	6.3	5.1*	3.6*	2.7*	2.8	3.0	—
	18	5.3	5.4	5.6	5.8	5.9	6.0	6.1	5.0*	3.7*	2.6	1.8	1.9	—
	19	5.3	5.8	5.9	6.0	5.8	6.0	6.2	5.0	3.7	2.9	3.1	3.7	—
	20	5.0	5.2	5.1	6.0	5.6	5.9	6.0	5.0	4.3	3.6	3.8	3.6	—
	21	4.8	5.1	5.0	5.1	5.0	5.5	6.0	5.1	3.7	3.0	3.1	3.7	—
	22	5.0	5.1	5.2	5.3	5.2	5.4	5.9	3.7	2.7	2.8	3.9	5.1	—
	23	4.8	5.0	5.1	5.1	5.1	5.6	6.0	4.8	3.1	2.9	3.6	3.1	—
	24	5.2	5.4	6.0	5.6	5.4	5.5	5.3	3.6	1.8	1.8	3.5	4.2	—
	25	5.1	5.5	5.5	5.6	5.4	5.6	6.1	5.1	3.2	2.4	3.2	4.6	—
	26	4.7	5.2	5.5	5.5	5.9	5.9	5.3	3.0	1.6	1.8	2.3	3.5	—
	27	5.1	5.3	5.3	5.9	6.0	6.0	6.4	5.2	4.0	4.2	4.2	5.0	—
	28	4.8	5.0	5.3	5.8	5.8	6.0	6.1	4.8	3.5	2.4	2.0	2.7	—
	29	5.4	5.4	6.0	5.9	6.0	6.1	6.6	5.3	3.9	3.0	3.1	4.3	—
	30	5.0	5.0	5.2	5.3	5.3	5.9	6.0	3.7	1.8	1.0	1.6	3.6	—
	31	5.0	5.1	5.2	6.0	6.0	6.0	6.2	4.5	3.2	2.8	2.7	3.6	—
Hourly Means.		5.1	5.3	5.5	5.6	5.7	6.1	6.5	5.2	3.9	3.3	3.5	3.9	—
Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
JULY.	1	5.3	5.4	5.9	5.6	5.5	4.6	4.5	4.2	4.4	4.7	4.7	4.7	4.9
	2	4.2	4.8	5.9	5.9	5.4	4.8	4.8	4.4	4.6	4.7	4.7	4.6	4.9
	3	4.3	5.5	6.1	7.0	7.1	5.9	6.3	7.2	6.0	5.5	5.8	4.8	5.9
	4	4.5	5.0	6.0	6.1	6.1	5.6	5.4	5.2	5.3	5.0	5.1	5.1	5.3
	5	5.4	5.4	6.0	6.1	6.1	5.4	5.2	5.2	5.2	4.7	5.1	5.2	5.7
	6	5.5	6.2	6.2	6.3	5.9	5.4	5.3	5.0	5.1	5.0	5.2	5.3	5.7
	7	3.8	5.0	5.8	6.2	6.2	5.5	5.6	5.4	5.3	5.2	5.2	5.9	5.4
	8	4.0	5.5	6.3	7.2	6.3	5.9	5.3	5.1	4.4	4.3	4.7	5.0	5.5
	9	3.9	4.6	5.3	5.3	4.7	4.8	4.8	4.7	4.7	4.8	5.0	5.1	5.0
	10	3.6	5.0	6.0	5.9	5.4	4.7	4.8	4.7	4.7	4.7	5.0	5.0	5.0
	11	3.8	5.1	5.9	4.8	4.2	3.9	4.0	4.2	4.0	4.2	4.2	4.3	4.6
	12	4.7	6.1	6.2	5.9	5.4	5.0	4.8	4.8	4.8	4.5	4.8	5.3	4.9
	13	3.2	4.4	5.4	5.5	5.5	5.2	4.2	3.8	3.8	4.3	4.4	5.1	4.8
	14	5.9	6.7	5.8	5.9	5.4	5.2	5.0	4.2	4.4	4.4	4.7	5.0	5.2
	15	5.8	6.2	6.2	6.1	5.5	5.1	4.8	4.2	4.7	5.0	4.5	4.8	5.1
	16	3.5	6.0	6.2	6.1	6.1	5.3	4.8	5.0	4.8	4.8	4.8	5.0	4.9
	17	4.3	5.8	6.3	6.1	5.9	4.8	4.8	4.7	4.7	4.8	5.0	5.2	4.9
	18	2.6	5.1	6.0	6.3	6.2	5.3	5.0	4.8	4.7	4.8	5.0	5.1	4.8
	19	4.7	5.3	5.9	5.0	4.8	4.7	4.7	4.3	4.2	4.3	4.6	5.0	4.9
	20	4.8	5.9	6.3	6.4	6.4	5.3	4.8	4.8	4.4	4.3	4.2	4.3	5.0
	21	4.0	4.6	5.1	4.8	5.0	4.8	5.0	4.7	4.6	4.1	4.7	4.8	4.7
	22	6.7	7.1	6.3	6.0	5.8	4.8	4.7	4.4	4.4	4.3	4.7	4.7	5.0
	23	3.5	4.6	5.3	5.8	5.8	5.0	4.8	4.7	4.7	4.8	4.8	5.1	4.7
	24	5.3	6.2	6.6	6.2	5.8	5.0	4.6	4.4	4.4	4.7	5.0	5.0	4.9
	25	5.9	7.0	7.9	8.1	7.7	5.4	4.8	4.7	4.7	4.3	4.7	4.6	5.3
	26	4.5	6.4	7.3	7.5	6.8	5.3	4.6	4.8	4.7	4.5	4.6	4.8	4.8
	27	5.3	6.2	5.8	5.5	5.4	5.5	5.1	5.3	5.1	4.7	4.7	4.7	5.2
	28	4.8	6.1	7.0	7.1	6.2	5.8	5.0	4.8	4.8	5.0	5.1	5.3	5.1
	29	5.9	6.1	6.2	5.9	5.0	5.0	4.3	5.0	4.4	4.3	4.3	4.3	5.1
	30	5.4	6.7	7.0	6.2	6.0	5.0	4.6	4.6	4.4	4.3	4.7	4.8	4.7
	31	4.0	5.3	6.2	5.8	5.1	4.7	4.6	4.3	4.4	4.7	4.7	5.0	4.8
Hourly Means.		4.6	5.7	6.1	6.1	5.8	5.1	4.9	4.8	4.7	4.6	4.8	4.9	5.05

BATAVIA 1884. — MAGNETICAL OBSERVATIONS.

HORIZONTAL FORCE. A.

HOURLY OBSERVATIONS. — 0.36300 + THE NUMBERS IN THE TABLE.

Mean Batavia. Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
JULY.	1	340	338	339	340	340	343	344	353	363	368	378	368	—
	2	338	338	339	338	336	345	352	364	374	381	383	381	—
	3	331	330	390	375	367	363	335	358	356	360	363	371	—
	4	256	263	264	269	323	300	281	296	286	292	283	274	—
	5	296	304	307	309	311	315	331	344	351	361	365	354	—
	6	311	310	317	316	330	329	340	339	354	365	352	352	—
	7	311	314	316	321	322	327	336	337	355	364	370	374	—
	8	326	328	325	329	329	334	348	358	360	369	377	375	—
	9	318	317	317	322	326	332	348	358	372	381	388	386	—
	10	337	338	340	340	333	348	355	369	375	378	386	385	—
	11	333	333	334	338	342	349	365	380	392	408	414	413	—
	12	337	330	338	338	342	347	356	364	374	385	390	378	—
	13	327	329	335	339	336	347	361	372	380	389	394	379	—
	14	318	332	338	340	362	363	333	352	334	357	341	323	—
	15	310	312	314	316	319	325	334	338	349	361	363	359	—
	16	316	317	321	322	324	330	337	349	360	378	354	358	—
	17	316	320	321	325	326	334	343	350	360	367	371	369	—
	18	328	329	327	326	330	334	342	353	360	368	373	375	—
	19	331	327	329	329	331	336	348	356	370	375	388	389	—
	20	325	332	342	349	353	360	366	365	349	345	336	328	—
	21	321	323	326	328	328	331	341	348	364	361	378	375	—
	22	325	327	327	329	330	333	338	342	348	362	374	367	—
	23	340	341	343	344	347	352	360	374	377	386	390	378	—
	24	336	332	342	339	340	342	349	357	368	375	381	387	—
	25	344	341	343	350	352	350	351	354	363	377	380	374	—
	26	318	320	323	327	337	339	339	344	357	358	359	365	—
	27	313	316	317	318	323	329	336	347	357	369	388	366	—
	28	308	312	321	322	328	332	341	353	361	371	378	376	—
	29	329	332	331	333	334	339	348	364	375	379	390	393	—
	30	329	332	334	338	339	341	349	404	415	429	434	433	—
	31	398	398	398	400	393	406	411	369	376	400	402	392	—
Hourly Means.		325	326	331	333	337	340	346	355	363	372	375	371	—
Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
JULY.	1	364	350	336	317	318	327	326	329	330	326	333	334	342
	2	364	362	354	347	342	342	339	343	343	334	328	336	350
	3	325	307	306	297	309	297	277	234	235	237	235	240	317
	4	284	267	266	265	277	285	286	293	287	293	297	302	283
	5	331	321	316	315	312	312	314	313	297	296	297	309	320
	6	356	350	327	320	316	311	308	303	301	307	308	312	326
	7	366	355	341	334	326	322	320	320	320	318	329	325	334
	8	364	346	312	294	291	290	294	290	311	313	312	311	329
	9	381	365	355	347	344	341	338	336	335	334	332	334	346
	10	373	355	338	328	326	329	332	333	328	331	331	333	347
	11	390	361	330	333	336	342	343	337	333	337	333	335	355
	12	368	354	329	321	323	321	323	318	318	319	320	318	342
	13	371	356	333	321	322	327	355	359	357	339	335	322	349
	14	308	294	298	277	280	285	285	308	306	308	309	309	319
	15	350	336	321	318	310	313	311	322	318	309	319	316	327
	16	353	347	333	320	300	307	316	307	300	292	304	312	327
	17	365	353	338	325	322	326	325	325	324	325	324	326	337
	18	366	349	335	329	327	326	329	326	326	326	329	330	339
	19	386	376	366	358	349	342	340	337	338	336	331	325	350
	20	331	327	319	308	299	304	311	313	314	313	313	319	330
	21	359	347	335	325	323	324	322	316	317	321	321	323	336
	22	355	343	335	329	329	334	334	334	335	338	334	335	339
	23	361	346	338	330	331	337	328	325	330	336	337	337	349
	24	377	363	349	342	339	340	340	340	337	336	337	340	350
	25	348	334	301	297	280	296	316	311	303	301	299	313	332
	26	354	346	332	305	292	299	309	318	311	311	315	316	329
	27	365	352	327	316	315	311	313	308	306	308	307	306	330
	28	371	348	334	318	316	309	319	323	323	327	327	328	335
	29	389	374	356	351	354	352	348	332	294	323	329	329	349
	30	419	404	393	386	383	390	389	387	388	387	391	395	383
	31	377	372	359	346	339	342	344	344	340	340	340	340	372
Hourly Means.		360	347	333	323	320	322	324	322	320	320	321	323	337.8

VERTICAL FORCE. A.

HOURLY OBSERVATIONS. — 0.19500 + THE NUMBERS IN THE TABLE.

Mean Batavia Time.		1 A.M.	2	3	4	5	6	7	8	9	10	11	12	
JULY.	1	361	360	358	357	354	349	343	338	335	322	319	322	—
	2	358	358	356	357	355	348	342	342	336	334	327	327	—
	3	362	361	334	331	344	345	358	351	365	360	344	322	—
	4	372	372	370	367	335	336	358	352	354	344	356	355	—
	5	336	329	328	327	327	321	315	314	313	309	309	314	—
	6	331	331	329	329	325	322	321	329	331	323	328	323	—
	7	336	334	331	328	330	328	322	322	319	310	308	314	—
	8	341	338	338	336	336	329	322	314	320	315	306	306	—
	9	340	338	336	329	327	320	307	302	296	288	287	294	—
	10	330	330	329	328	331	323	316	316	321	321	320	321	—
	11	352	351	351	349	347	341	332	315	308	296	292	293	—
	12	352	353	350	349	345	340	335	330	335	336	332	338	—
	13	370	366	364	360	362	351	347	335	338	343	350	358	—
	14	367	361	356	353	345	343	357	362	376	377	361	362	—
	15	385	385	384	380	378	373	370	367	367	358	350	342	—
	16	390	388	385	382	379	374	372	379	378	376	379	379	—
	17	394	392	389	387	385	379	372	379	378	378	358	362	—
	18	394	394	394	392	387	380	377	375	372	370	370	370	—
	19	389	391	389	389	389	385	378	375	372	369	371	378	—
	20	400	394	388	383	380	373	372	377	377	378	385	378	—
	21	398	394	394	394	391	387	381	369	369	372	379	389	—
	22	394	393	390	388	386	381	379	396	394	372	364	367	—
	23	406	401	401	398	396	394	388	381	384	378	379	394	—
	24	403	404	395	398	398	396	395	389	386	376	358	358	—
	25	395	396	394	391	389	389	387	404	407	401	395	386	—
	26	421	414	414	409	403	401	404	406	395	374	370	360	—
	27	426	423	421	416	414	408	405	391	394	389	393	395	—
	28	415	409	403	401	399	394	389	378	370	367	365	363	—
	29	394	393	389	384	380	374	370	370	366	365	336	336	—
	30	373	370	368	363	360	355	349	342	335	326	314	313	—
	31	359	359	358	357	357	344	344	349	342	331	331	331	—
Hourly Means.		376	374	371	368	366	361	358	356	356	350	346	347	—
Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
JULY.	1	330	343	351	365	369	368	367	367	365	366	363	360	351
	2	342	342	345	356	365	369	368	365	365	365	365	362	352
	3	355	366	365	365	367	373	384	398	399	394	392	386	363
	4	357	358	356	360	358	354	352	350	349	343	339	335	353
	5	321	324	330	328	332	336	337	338	345	348	342	333	327
	6	319	324	335	341	345	346	347	349	349	344	342	337	333
	7	319	320	327	333	342	345	348	350	349	346	342	343	331
	8	314	319	335	349	353	359	356	360	349	344	343	343	334
	9	304	316	320	331	334	331	335	335	336	334	334	331	321
	10	329	328	334	342	351	358	358	358	358	357	357	353	336
	11	311	334	359	366	365	358	358	359	360	358	358	356	340
	12	344	349	365	376	379	378	378	379	379	378	377	374	356
	13	366	365	372	379	378	372	358	358	359	366	365	367	360
	14	371	381	380	389	393	390	393	383	386	385	386	386	373
	15	349	358	375	386	393	395	398	394	395	399	393	393	378
	16	367	359	371	393	408	413	407	408	413	412	401	398	388
	17	366	372	381	395	404	406	404	403	401	400	399	394	387
	18	357	350	363	372	387	398	398	398	398	396	394	392	382
	19	386	398	400	406	407	408	409	408	406	402	401	401	392
	20	378	382	387	394	401	408	407	407	406	406	405	400	390
	21	389	395	396	399	398	400	401	403	403	401	400	396	392
	22	372	393	401	408	413	414	413	413	414	411	410	408	395
	23	399	393	392	392	398	406	411	415	414	409	408	406	398
	24	372	375	379	390	399	401	404	405	406	405	401	398	391
	25	400	406	415	423	444	443	430	434	438	438	434	425	411
	26	372	388	400	414	429	433	430	424	429	429	428	427	407
	27	402	410	424	425	425	427	427	426	427	423	422	420	414
	28	355	360	367	384	398	406	400	399	399	399	396	395	388
	29	338	356	371	385	384	384	385	388	402	391	379	377	375
	30	315	322	336	356	365	366	366	367	367	365	365	364	351
	31	336	338	351	365	372	373	375	375	373	375	375	374	356
Hourly Means.		353	359	367	376	382	384	384	384	385	384	381	379	368.5

EASTERLY DECLINATION. A.

HOURLY OBSERVATIONS. — 1° 50' + THE NUMBERS IN THE TABLE.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	
AUGUST.	1	5.1	5.3	5.5	5.4	5.3	5.8	6.0	4.0	3.7	2.7	2.6	3.7	—
	2	5.1	5.2	5.3	5.6	6.1	5.8	6.1	4.6	2.6	1.8	1.8	2.4	—
	3	5.3	5.6	5.9	5.9	5.5	6.1	7.0	5.2	4.0	3.8	4.2	4.4	—
	4	5.4	5.5	5.9	5.9	5.9	6.1	6.6	4.8	3.6	2.7	2.4	3.1	—
	5	5.3	5.4	5.9	5.6	5.9	6.1	6.3	4.8	3.2	2.7	2.9	3.2	—
	6	5.6	6.0	5.9	5.9	6.0	6.2	7.1	5.4	3.8	3.7	3.2	3.1	—
	7	5.6	5.8	5.9	6.0	6.1	6.9	7.1	5.0	3.5	1.9	1.5	2.0	—
	8	5.2	5.3	5.4	5.4	5.8	6.4	6.7	3.9	1.4	0.4	1.4	3.4	—
	9	5.2	3.4	4.3	6.0	6.0	6.1	6.7	5.2	3.7	3.0	3.6	3.8	—
	10	5.9	5.8	6.3	6.2	7.5	7.1	7.7	5.2	3.8	3.7	3.7	4.5	—
	11	5.3	6.1	6.1	6.1	6.1	6.9	6.9	5.8	4.3	3.5	3.4	4.2	—
	12	5.5	5.9	6.0	6.0	6.0	6.1	6.9	5.1	3.7	2.6	2.4	2.7	—
	13	5.3	5.5	5.3	5.6	6.0	6.1	6.4	5.8	2.9	1.8	2.2	4.3	—
	14	5.2	5.3	5.4	5.6	5.3	5.4	5.8	4.0	2.9	2.6	3.0	3.8	—
	15	5.2	5.1	5.1	5.2	6.0	6.0	5.9	4.0	2.7	2.7	3.4	4.2	—
	16	—	—	—	—	—	—	—	—	3.8	2.7	2.2	2.6	—
	17	5.2	5.2	5.3	5.4	5.9	6.1	5.9	3.9	2.7	2.3	2.8	3.6	—
	18	4.8	5.0	5.1	5.3	5.4	5.9	6.2	4.3	3.4	3.6	3.7	4.0	—
	19	5.0	5.2	5.3	5.3	5.5	6.1	6.9	5.0	3.2	2.9	3.1	4.0	—
	20	5.0	5.3	5.3	5.4	5.2	5.6	5.4	4.0	2.6	2.6	2.8	3.5	—
	21	5.1	5.2	5.1	5.1	5.3	5.3	6.1	3.8	3.0	1.8	2.2	4.0	—
	22	4.8	4.8	5.0	5.4	5.5	6.6	7.2	5.1	2.9	1.5	0.6	2.6	—
	23	4.7	5.1	5.2	5.3	5.6	6.2	6.0	4.2	2.9	2.2	1.9	3.2	—
	24	4.8	5.2	5.5	5.9	6.0	6.6	7.0	5.0	3.1	2.4	2.6	2.8	—
	25	4.8	5.0	5.2	5.3	5.6	6.1	6.2	4.0	2.1	0.9	1.9	3.6	—
	26	4.8	5.0	5.1	5.2	5.2	6.1	6.3	4.8	3.7	2.7	2.2	2.9	—
	27	5.3	5.6	6.1	5.9	6.1	7.1	7.2	4.7	2.7	2.0	1.9	2.2	—
	28	5.0	5.2	5.2	5.4	5.9	6.1	6.1	4.3*	3.4*	2.7	2.8	2.8	—
	29	5.3	5.5	5.8	5.9	6.0	7.1	7.0	4.7	2.8	1.8	1.5	1.4	—
	30	5.0	5.3	5.1	5.3	5.3	5.9	5.4	3.8	1.8	0.7	0.7	2.1	—
	31	5.1	5.4	5.3	5.4	5.5	6.1	5.9	3.2	1.8	1.5	2.0	2.6	—
Hourly Means.		5.2	5.3	5.5	5.6	5.8	6.2	6.5	4.6	3.1	2.4	2.5	3.2	
Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
AUGUST.	1	5.1	6.1	6.8	6.2	5.5	5.0	4.8	4.8	4.7	4.8	4.8	5.0	4.9
	2	3.1	4.7	5.9	6.2	6.1	5.4	5.0	4.8	4.7	4.8	4.8	5.0	4.7
	3	5.4	6.0	5.9	5.9	5.6	5.3	5.0	4.8	4.8	5.0	5.1	5.2	5.3
	4	4.6	5.2	5.6	6.1	6.3	5.4	5.3	5.1	4.8	4.8	5.0	5.3	5.1
	5	3.7	5.0	6.1	6.1	6.1	5.5	5.2	5.0	4.8	5.0	5.2	5.1	5.0
	6	3.9	5.0	6.0	6.2	6.2	5.3	5.5	5.2	5.1	5.1	5.3	5.6	5.3
	7	3.8	5.8	6.2	6.2	5.8	5.3	4.8	4.7	4.7	4.8	4.7	4.8	5.0
	8	6.1	8.0	7.0	6.4	6.0	6.1	5.4	5.0	4.3	4.5	5.1	5.3	5.0
	9	4.8	6.1	6.0	5.6	5.8	6.0	5.2	5.9	4.8	4.3	5.1	5.4	5.1
	10	5.5	6.4	7.0	7.0	6.2	5.9	5.2	5.2	4.7	5.0	5.1	5.2	5.7
	11	5.3	5.3	6.1	5.8	5.3	5.3	5.3	5.1	5.2	5.2	5.2	5.3	5.4
	12	3.7	5.4	7.2	7.5	6.8	5.8	5.2	5.2	5.1	5.0	5.0	5.2	5.3
	13	6.4	7.3	8.3	7.0	6.2	5.4	5.0	5.6	4.8	5.2	4.8	5.1	5.3
	14	5.0	5.2	6.3	6.4	6.0	5.3	4.8	5.0	4.8	5.0	5.2	4.6	4.9
	15	5.0	5.1	5.3	5.5	—	—	—	—	—	—	—	—	—
	16	3.6	4.7	6.1	6.7	6.4	5.5	5.2	4.8	4.7	4.7	4.7	5.0	—
	17	4.7	5.3	6.1	6.4	6.1	5.4	4.8	4.8	4.4	4.5	4.7	4.8	4.8
	18	4.7	5.2	6.0	6.1	5.6	5.1	4.8	4.8	4.4	4.6	4.5	4.8	4.9
	19	4.3	5.4	6.3	6.2	5.4	5.2	5.0	4.8	4.8	4.8	4.8	4.8	5.0
	20	3.8	4.6	5.4	6.0	6.2	5.5	5.1	5.0	4.8	4.8	4.8	4.8	4.7
	21	3.8	5.3	5.0	6.1	6.3	6.4	6.2	5.8	5.3	5.0	5.0	5.2	4.9
	22	6.1	8.3	7.5	5.6	5.5	5.3	5.4	6.0	4.7	4.7	4.8	4.4	5.0
	23	4.3	5.1	6.0	6.2	6.3	5.5	5.5	5.2	5.0	4.6	4.6	4.7	4.8
	24	3.7	4.2	5.1	6.0	6.1	5.4	5.8	5.2	5.1	4.8	5.0	4.8	4.9
	25	4.7	5.4	6.0	5.9	6.0	5.8	5.2	5.0	5.0	5.0	4.7	4.3	4.7
	26	4.2	6.2	7.1	7.1	6.8	6.0	5.4	5.1	5.0	5.0	5.3	5.4	5.1
	27	3.4	4.3	6.0	7.2	7.1	6.0	5.3	5.1	5.1	5.0	5.0	5.0	5.1
	28	3.4	4.3	6.0	6.3	6.2	5.6	5.4	5.2	5.2	5.3	5.2	5.4	4.9
	29	2.6	4.0	5.3	6.3	6.2	5.2	5.0	5.0	4.8	4.8	4.8	4.8	4.7
	30	3.7	5.5	6.6	6.9	6.2	5.4	5.0	4.8	4.8	4.7	4.8	5.0	4.6
	31	3.7	4.3	5.5	5.9	6.0	5.4	5.0	5.0	5.0	4.8	4.8	5.0	4.6
Hourly Means.		4.4	5.4	6.2	6.3	6.1	5.5	5.2	5.1	4.8	4.9	4.9	5.0	4.99

HORIZONTAL FORCE. A.

HOURLY OBSERVATIONS. — 0.36800 + THE NUMBERS IN THE TABLE.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
AUGUST.	1	345	344	346	346	349	350	359	370	374	387	394	394	—
	2	344	343	344	344	340	353	357	362	372	379	372	362	—
	3	341	342	345	347	347	354	366	378	386	392	395	384	—
	4	340	346	348	348	348	355	363	367	376	388	396	394	—
	5	343	342	341	351	351	353	361	371	373	381	379	371	—
	6	341	343	347	352	354	355	363	375	386	391	393	386	—
	7	355	355	359	367	369	377	392	413	418	430	438	428	—
	8	349	349	350	352	353	359	373	388	401	415	415	396	—
	9	318	344	337	322	327	332	337	354	371	392	393	387	—
	10	329	337	337	332	351	352	346	351	356	342	352	354	—
	11	346	342	335	337	338	340	355	365	376	384	385	387	—
	12	336	338	338	337	343	348	356	367	376	386	390	383	—
	13	356	344	350	352	352	358	359	377	396	406	420	404	—
	14	336	337	350	340	347	349	350	356	371	388	392	387	—
	15	334	339	342	346	353	359	369	388	403	410	412	401	—
	16	—	—	—	—	—	—	—	—	394	412	404	386	—
	17	341	340	345	346	346	351	362	379	393	397	394	380	—
	18	351	350	350	348	351	356	362	371	380	390	385	376	—
	19	349	350	352	357	363	370	382	386	402	404	405	404	—
	20	355	353	355	354	357	362	366	373	386	393	394	385	—
	21	362	369	363	363	369	367	365	382	392	403	399	369	—
	22	319	340	333	334	338	343	359	374	385	394	397	390	—
	23	321	326	329	340	334	343	358	392	389	397	402	387	—
	24	342	338	336	337	341	350	357	373	383	387	388	385	—
	25	338	339	337	337	349	351	359	379	392	406	410	399	—
	26	333	332	338	346	351	361	369	382	384	385	399	394	—
	27	343	341	338	345	343	347	362	369	379	389	399	398	—
	28	336	336	338	342	346	351	360	373	389	397	397	392	—
	29	347	346	349	348	351	354	363	378	391	400	407	397	—
	30	349	351	351	353	357	360	367	377	389	399	405	395	—
	31	349	348	349	351	355	361	377	394	410	419	426	418	—
Hourly Means.		342	343	344	346	349	354	362	375	386	395	398	389	—
Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
AUGUST.	1	387	373	353	345	341	344	344	341	343	342	340	341	356
	2	360	349	338	334	336	341	341	340	341	339	340	341	349
	3	380	373	358	350	341	344	341	336	341	335	336	339	356
	4	388	381	371	357	343	333	336	336	337	336	340	340	357
	5	362	353	348	342	341	346	342	340	341	341	337	310	352
	6	386	382	363	351	348	358	349	353	349	348	348	348	361
	7	406	382	371	360	354	358	359	358	355	340	335	344	376
	8	389	371	354	348	354	331	312	338	335	324	321	327	359
	9	388	377	355	341	313	294	294	286	304	338	317	314	339
	10	354	357	347	327	326	332	330	331	327	326	333	333	340
	11	371	365	346	336	333	337	333	333	333	333	330	333	349
	12	375	367	349	339	338	342	346	344	346	355	357	355	355
	13	394	378	374	359	351	346	341	330	335	340	337	333	362
	14	376	376	349	333	325	325	335	336	336	336	335	349	351
	15	393	370	354	345	—	—	—	—	—	—	—	—	—
	16	375	362	346	340	337	337	339	337	339	340	341	342	—
	17	366	351	345	342	342	346	348	347	347	347	347	349	356
	18	371	360	344	344	347	352	354	354	358	352	351	347	359
	19	391	374	361	351	346	351	351	346	347	346	349	353	366
	20	378	369	360	358	360	362	360	358	358	358	367	365	366
	21	357	345	336	332	327	302	305	307	312	323	313	311	349
	22	354	314	321	329	331	333	330	300	342	315	316	321	342
	23	367	359	343	332	319	318	319	325	326	334	342	337	348
	24	378	364	351	337	338	341	337	336	334	331	333	339	352
	25	376	362	344	337	332	332	333	333	335	335	332	340	354
	26	382	374	360	351	346	346	346	344	345	345	345	345	359
	27	386	372	352	328	332	334	334	333	328	331	332	334	352
	28	383	371	360	351	343	343	343	343	343	340	338	339	356
	29	387	367	348	337	342	345	347	347	347	348	348	348	360
	30	377	361	351	347	344	348	347	346	348	349	348	348	361
	31	400	381	362	351	349	352	353	350	350	351	353	351	369
Hourly Means.		379	366	352	343	339	339	338	337	339	339	339	340	355.5

VERTICAL FORCE. A.

HOURLY OBSERVATIONS. — 0 19500 + THE NUMBERS IN THE TABLE.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
AUGUST.	1	372	372	371	371	370	365	360	350	343	337	328	328	—
	2	379	379	379	378	379	372	370	386	383	378	377	377	—
	3	400	400	397	396	396	388	380	380	381	373	372	373	—
	4	407	403	401	401	400	394	393	395	394	380	372	373	—
	5	409	407	407	400	399	395	392	389	386	377	372	378	—
	6	397	394	394	394	393	388	387	388	385	384	385	382	—
	7	406	401	401	396	393	386	382	366	366	360	357	362	—
	8	399	397	396	394	392	388	386	395	398	385	381	372	—
	9	420	411	414	414	409	404	403	386	379	371	370	374	—
	10	409	403	400	402	396	391	396	417	414	413	399	388	—
	11	422	423	427	424	423	419	412	410	408	399	394	386	—
	12	430	429	428	424	419	414	411	406	401	392	380	373	—
	13	407	409	407	406	401	396	396	384	382	376	355	349	—
	14	407	406	404	401	400	398	398	394	385	356	333	342	—
	15	406	402	400	396	394	387	388	379	370	355	351	365	—
	16	—	—	—	—	—	—	—	—	424	427	430	425	—
	17	443	444	441	439	438	433	432	414	410	401	395	398	—
	18	434	434	432	430	430	423	423	429	421	400	395	406	—
	19	449	445	442	439	434	428	423	425	427	417	416	416	—
	20	451	452	452	453	450	447	449	441	432	417	413	415	—
	21	446	439	441	441	436	432	441	442	444	438	437	434	—
	22	477	460	461	459	457	451	443	—	—	—	—	154	—
	23	229	222	216	200	206	—	191	178	154	143	137	143	—
	24	222	221	220	214	207	195	198	192	193	178	166	165	—
	25	228	222	221	214	203	198	193	189	186	165	152	152	—
	26	236	231	224	218	213	203	205	209	206	214	198	184	—
	27	231	230	227	220	216	209	208	209	205	182	183	188	—
	28	220	214	208	202	195	186	184	—	—	—	—	—	—
	29	216	215	214	212	207	199	195	—	—	—	—	—	—
	30	—	—	—	—	—	—	—	171	171	155	141	141	—
	31	209	207	202	197	188	177	171	154	136	128	130	136	—
Hourly Means.		364	361	360	357	353	347	345	344	342	332	326	220	—

Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
AUGUST.	1	338	349	366	379	381	384	384	382	382	383	384	380	365
	2	368	370	373	386	394	398	401	401	401	403	402	401	385
	3	377	384	399	407	413	415	415	415	414	414	413	408	396
	4	379	388	395	401	408	421	421	420	419	415	413	410	400
	5	378	381	388	396	399	392	398	400	401	400	400	396	393
	6	372	375	386	398	406	411	413	413	414	413	409	407	395
	7	358	359	376	393	401	406	406	405	406	410	414	405	388
	8	372	384	401	415	418	427	442	427	428	432	430	421	403
	9	372	375	396	408	423	435	437	437	428	413	416	415	405
	10	386	389	400	419	429	430	435	434	437	436	430	429	412
	11	398	407	420	430	434	436	437	437	436	435	436	435	420
	12	375	373	379	394	408	413	413	413	415	413	408	407	405
	13	349	370	387	402	413	413	412	412	412	413	404	408	394
	14	351	362	374	396	408	414	411	408	408	408	408	405	391
	15	372	384	394	400	—	—	—	—	—	—	—	—	—
	16	421	420	427	434	443	454	456	454	452	449	446	444	—
	17	406	411	423	432	442	449	448	447	448	443	442	437	430
	18	417	428	436	442	449	454	457	457	454	452	450	449	433
	19	426	428	435	452	460	459	463	464	465	461	460	454	441
	20	414	416	422	429	436	444	452	454	453	452	450	446	439
	21	437	449	457	460	467	—	—	—	—	—	—	—	—
	22	182	227	228	232	233	243	246	264	245	248	245	236	—
	23	164	181	193	214	235	248	245	239	242	237	229	230	203
	24	170	182	192	202	219	228	236	238	238	240	236	230	208
	25	176	191	208	220	230	237	243	243	243	242	241	236	210
	26	180	188	197	214	229	238	242	242	241	239	236	235	218
	27	199	208	214	222	223	235	236	235	235	230	227	222	216
	28	—	—	233	230	228	227	228	227	227	227	227	—	—
	29	—	—	—	—	—	—	—	—	—	—	—	—	—
	30	142	149	158	184	199	207	214	215	214	214	214	210	—
	31	158	171	182	194	205	208	208	208	207	203	199	197	182
Hourly Means.		325	334	341	353	360	362	364	364	363	362	360	361	355.5

EASTERLY DECLINATION. A.
HOURLY OBSERVATIONS. — 1° 50' + THE NUMBERS IN THE TABLE.

Mean Batavia Time.		1 A.M.	2	3	4	5	6	7	8	9	10	11	12	—
SEPTEMBER.	1	5.2	5.2	5.2	5.4	5.8	6.3	6.1	4.4	3.4	2.9	3.2	3.9	—
	2	4.7	5.0	5.1	5.0	5.0	5.0	5.0	2.9	1.6	1.5	2.3	2.8	—
	3	4.7	4.7	5.0	5.1	5.3	6.2	6.0	4.2	3.0	2.7	2.1	2.2	—
	4	4.3	4.5	4.7	4.8	5.0	5.4	6.0	4.6	3.7	3.2	2.9	2.8	—
	5	4.4	4.7	4.8	4.8	5.0	5.3	5.9	4.7	3.8	3.4	3.5	3.8	—
	6	4.8	5.0	5.0	4.8	4.8	5.5	6.0	5.2	4.8	4.2	4.2	4.8	—
	7	4.8	5.2	5.4	5.0	5.0	5.3	5.0	3.8	3.7	3.6	3.9	4.3	—
	8	5.0	5.0	5.0	5.1	5.2	5.9	5.9	4.0	2.9	2.6	2.3	2.8	—
	9	4.8	4.7	5.0	5.0	5.2	5.9	6.1	4.6	3.0	2.2	1.6	1.4	—
	10	4.3	4.7	4.7	4.8	5.0	5.0	5.2	3.8	2.0	1.5	1.4	1.5	—
	11	3.9	5.0	4.8	5.0	4.7	5.9	5.9	4.3	3.6	2.8	2.8	3.1	—
	12	4.6	4.3	4.5	4.3	4.7	5.2	5.6	4.3	3.7	3.1	3.1	3.7	—
	13	4.7	4.7	4.8	5.0	4.8	5.1	5.2	4.6	3.7	3.6	3.6	4.2	—
	14	4.0	4.2	3.8	3.7	4.0	5.3	6.1	5.0	3.7	2.9	2.9	2.4	—
	15	3.9	4.6	5.2	5.0	5.5	5.9	5.8	5.0	3.6	2.7	2.6	2.7	—
	16	4.5	4.5	4.5	4.4	4.6	5.1	5.2	3.7	3.6	3.7	4.0	4.4	—
	17	5.0	4.8	5.1	5.0	4.8	5.2	5.1	3.7	2.9	2.9	3.7	4.5	—
	18	4.3	4.8	5.1	4.5	3.8	4.6	5.2	3.1	1.3	1.5	2.7	4.6	—
	19	5.0	5.2	5.4	5.4	5.2	5.2	4.0	2.6	1.5	1.9	3.5	4.8	—
	20	5.0	5.0	5.0	6.1	6.0	6.3	6.1	2.8	2.0	2.7	3.8	5.2	—
	21	4.8	5.0	4.8	4.8	4.3	4.6	3.7	2.4	1.5	2.0	3.7	5.2	—
	22	5.0	4.8	4.8	4.8	4.8	5.2	4.6	2.7	1.6	1.5	2.6	3.1	—
	23	4.8	4.8	4.8	4.8	4.8	4.5	3.7	2.4	1.4	1.8	2.9	3.8	—
	24	5.0	5.0	5.1	5.1	4.8	4.8	4.2	3.3*	2.4*	1.4	3.1	4.8	—
	25	4.8	5.0	5.0	5.0	4.8	4.7	4.0	1.9	0.2	0.2	—0.8	1.9	—
	26	4.7	4.8	4.8	5.0	4.8	5.4	5.0	2.8	1.3	1.0	1.9	3.4	—
	27	4.7	4.8	5.0	5.0	5.0	4.8	3.5	—	—	—	—	—	—
	28	—	—	—	—	5.2	5.2	3.6*	2.8	2.2	2.4	3.6	5.0	—
	29	5.2	5.2	5.2	5.4	5.3	5.9	5.0	2.9	1.4	2.6	3.7	4.7	—
	30	4.8	5.0	5.1	4.8	4.8	4.8	3.6	2.4	2.1	2.6	2.9	4.0	—
Hourly Means.		4.7	4.8	4.9	4.9	4.9	5.3	5.1	3.6	2.6	2.4	2.9	3.6	—
Mean Batavia Time.		1 P.M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
SEPTEMBER.	1	4.7	4.7	5.0	5.4	5.8	4.8	4.5	4.4	4.4	4.2	4.3	4.6	4.7
	2	3.8	4.7	5.4	6.2	4.1	5.0	4.7	4.2	4.2	4.3	4.6	4.6	4.3
	3	2.0	3.0	4.0	5.2	5.5	4.8	4.4	4.3	4.3	3.7	4.0	4.2	4.2
	4	2.7	3.4	4.8	6.0	5.9	5.1	4.8	4.6	4.4	4.3	4.4	4.3	4.4
	5	3.7	3.7	4.8	5.2	5.4	5.2	5.3	5.2	5.0	4.8	4.8	4.8	4.7
	6	4.3	4.0	4.0	4.3	5.1	5.0	5.0	5.0	4.8	5.0	5.0	5.0	4.8
	7	4.4	3.9	4.0	4.7	4.6	4.3	4.5	4.4	4.2	4.3	4.8	4.7	4.5
	8	2.8	2.8	3.6	4.2	4.7	4.5	4.7	4.6	4.6	4.4	4.6	4.7	4.2
	9	1.8	2.8	4.6	5.3	5.2	4.6	4.4	4.5	4.4	4.2	4.2	4.6	4.2
	10	2.8	5.0	5.2	6.3	6.0	4.7	5.0	4.7	4.3	4.0	4.3	3.8	4.2
	11	3.8	4.5	6.2	6.2	6.1	5.0	4.8	5.0	3.5	4.0	4.0	4.2	4.5
	12	4.0	5.0	5.5	6.0	5.9	5.1	5.0	4.8	4.8	4.2	4.3	4.4	4.6
	13	4.8	4.4	4.6	5.2	5.0	5.1	4.8	5.1	5.1	4.3	4.2	4.0	4.6
	14	2.6	3.0	3.8	4.2	4.8	4.3	4.6	4.6	4.4	4.3	4.4	4.2	4.1
	15	3.0	3.9	4.8	5.2	5.3	4.8	5.0	5.0	4.8	4.8	4.6	4.5	4.5
	16	4.3	4.2	4.7	5.0	5.0	5.0	5.0	4.8	4.8	4.7	4.8	4.8	4.6
	17	5.3	5.2	5.1	5.2	5.2	5.3	5.0	5.1	5.0	4.4	4.7	4.2	4.7
	18	6.0	5.3	5.2	5.2	5.2	5.0	5.0	5.0	4.8	4.4	4.7	5.0	4.4
	19	5.3	6.4	8.0	7.9	8.1	6.1	5.6	5.2	5.0	4.6	5.0	5.1	5.1
	20	6.1	6.1	6.1	6.1	5.4	5.1	5.1	5.0	5.0	4.5	4.8	4.8	5.0
	21	5.8	6.1	6.2	6.0	6.0	5.3	5.3	4.8	5.0	4.7	4.8	4.8	4.7
	22	4.0	4.6	4.8	4.7	4.8	4.7	4.8	4.8	4.7	4.7	4.8	4.7	4.2
	23	5.0	5.6	5.4	5.1	5.2	5.0	5.0	5.2	5.0	5.0	5.0	5.0	4.4
	24	5.2	5.6	5.9	5.2	4.7	5.0	5.0	5.0	5.0	5.0	4.7	4.8	4.6
	25	3.6	4.7	5.9	6.1	5.4	4.7	4.3	4.2	4.3	4.2	4.0	4.3	3.9
	26	5.0	5.4	6.1	6.0	5.3	5.2	4.8	4.6	4.3	4.2	4.3	4.6	4.4
	27	—	—	—	—	—	—	—	—	—	—	—	—	—
	28	6.2	6.4	6.1	5.3	5.2	5.2	5.1	5.2	5.1	5.1	5.2	5.2	—
	29	6.1	7.1	6.7	6.0	5.0	4.8	5.2	4.8	4.8	4.8	4.8	4.7	4.9
	30	5.1	6.1	5.1	6.0	5.3	5.2	5.0	5.0	4.5	4.8	5.2	4.8	4.6
Hourly Means.		4.3	4.7	5.3	5.5	5.4	5.0	4.9	4.8	4.6	4.5	4.6	4.6	4.50

HORIZONTAL FORCE. A.														
HOURLY OBSERVATIONS. — 0.36800 + THE NUMBERS IN THE TABLE.														
Mean Batavia Time.	1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—	
SEPTEMBER.	1	354	349	354	355	355	362	372	387	404	410	415	410	—
	2	343	348	351	358	359	365	374	390	399	405	408	395	—
	3	358	362	362	364	364	365	384	410	427	421	420	402	—
	4	340	340	344	352	351	354	366	382	396	397	406	401	—
	5	349	352	352	351	352	360	365	383	394	403	400	396	—
	6	348	348	348	356	356	366	379	391	406	416	427	403	—
	7	346	336	341	357	359	360	371	388	397	409	409	395	—
	8	347	348	351	353	353	358	372	391	404	414	419	406	—
	9	342	346	343	343	343	348	357	390	407	420	420	409	—
	10	354	353	354	358	359	364	371	388	396	405	416	415	—
	11	327	329	335	338	336	350	352	363	370	381	385	382	—
	12	327	331	331	331	339	340	350	365	373	383	388	387	—
	13	335	337	337	340	341	342	352	369	391	395	399	401	—
	14	333	334	335	337	332	331	336	341	350	361	346	342	—
	15	304	307	318	330	320	341	341	343	361	366	357	343	—
	16	328	328	331	330	335	339	352	367	378	386	389	385	—
	17	339	342	342	342	347	349	361	374	383	399	407	411	—
	18	346	347	330	344	330	293	314	310	315	291	287	302	—
	19	320	338	319	315	323	311	320	348	359	366	386	357	—
	20	313	317	319	323	329	330	340	352	370	378	384	377	—
	21	322	319	322	325	326	335	340	359	377	392	401	398	—
	22	321	325	326	332	341	341	353	362	373	379	386	381	—
	23	325	329	330	330	331	336	346	362	377	385	387	390	—
	24	336	340	341	341	346	345	344	366	382	396	408	412	—
	25	341	342	344	343	346	346	353	369	386	407	427	432	—
	26	344	345	346	345	345	347	361	375	392	407	423	422	—
	27	339	341	343	345	345	351	370	395	411	423	427	422	—
	28	342	343	345	346	350	353	371	388	401	409	414	408	—
	29	329	327	334	331	338	338	345	357	378	378	387	393	—
	30	336	338	338	341	343	343	361	370	385	394	399	391	—
Hourly Means.	336	338	339	342	343	345	356	371	385	393	398	392	—	
Mean Batavia Time.	1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.	
SEPTEMBER.	1	391	378	364	350	352	354	355	345	339	339	343	345	366
	2	389	373	360	358	359	358	363	364	359	358	351	357	369
	3	392	377	360	351	341	344	346	343	336	339	332	336	368
	4	391	377	363	351	346	344	347	349	348	348	346	345	362
	5	389	372	367	358	353	355	355	354	351	351	350	350	365
	6	383	366	348	354	354	352	350	346	339	335	334	342	364
	7	384	367	351	347	347	348	347	342	338	343	342	346	361
	8	382	367	357	349	344	344	343	343	345	346	344	339	363
	9	391	378	376	371	363	361	358	356	354	353	354	353	368
	10	402	368	335	302	295	305	310	308	308	317	317	330	351
	11	355	353	330	316	299	304	316	311	319	326	325	322	339
	12	381	368	342	331	324	331	328	326	322	327	335	333	346
	13	379	356	339	336	332	326	319	311	303	317	330	331	347
	14	329	317	298	288	284	279	295	295	297	289	293	289	318
	15	354	333	323	322	322	327	315	307	303	305	314	320	328
	16	372	354	342	339	339	339	336	335	334	335	335	338	348
	17	396	392	377	365	348	358	358	353	334	335	334	342	362
	18	282	254	235	221	230	262	264	263	303	292	296	297	292
	19	338	330	332	326	318	311	309	308	306	312	315	315	328
	20	369	347	336	330	331	330	322	317	315	317	318	320	337
	21	384	364	348	336	326	329	325	316	313	307	316	316	342
	22	372	354	342	331	327	326	327	320	318	318	321	322	342
	23	375	350	331	329	330	333	336	336	337	335	335	338	346
	24	396	368	344	339	339	342	344	345	343	341	339	340	356
	25	417	384	356	347	347	351	350	353	349	344	341	341	363
	26	398	378	354	336	331	327	326	326	331	334	335	336	357
	27	407	387	370	356	351	346	346	345	343	344	340	341	366
	28	386	367	351	341	338	340	336	329	333	333	328	327	357
	29	379	357	347	342	341	340	337	334	333	332	333	335	348
	30	385	371	357	355	366	359	358	358	360	333	310	322	357
Hourly Means.	378	360	345	336	333	334	334	331	330	330	330	332	350.5	

VERTICAL FORCE. A.

HOURLY OBSERVATIONS. — 0.19500 + THE NUMBERS IN THE TABLE.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
SEPTEMBER.	1	192	192	185	175	170	161	152	142	128	122	120	125	—
	2	186	178	174	166	162	154	149	143	135	128	127	136	—
	3	188	184	183	179	177	170	164	—	—	—	—	—	—
	4	210	207	203	196	196	186	185	186	183	184	184	193	—
	5	222	218	216	215	214	207	205	200	202	201	201	222	—
	6	250	249	246	238	235	221	213	210	210	200	199	215	—
	7	251	251	247	235	230	228	227	214	205	194	192	204	—
	8	264	258	255	250	248	242	236	233	233	229	228	235	—
	9	273	271	269	266	263	252	254	—	—	—	—	—	—
	10	—	—	—	—	—	—	—	—	—	—	—	—	—
	11	—	—	—	—	—	—	—	—	—	—	—	—	—
	12	—	—	—	—	—	—	—	257	247	247	243	243	—
	13	294	292	289	285	279	272	264	250	236	230	232	241	—
	14	300	300	287	285	287	279	285	293	293	289	290	290	—
	15	314	308	306	290	294	279	287	289	286	281	278	281	—
	16	307	307	306	305	302	295	293	247	243	233	222	240	—
	17	294	289	288	286	283	279	281	275	268	254	235	291	—
	18	364	358	366	357	367	380	386	443	415	402	373	338	—
	19	364	357	369	371	369	373	380	373	358	331	306	324	—
	20	393	386	383	379	375	374	375	365	342	322	315	321	—
	21	387	385	380	379	373	367	371	334	321	300	271	274	—
	22	365	358	354	345	338	330	335	339	332	320	307	307	—
	23	381	375	373	371	368	366	367	360	350	328	313	313	—
	24	364	358	353	349	343	342	346	310	292	264	242	243	—
	25	337	335	329	324	322	316	311	327	320	295	264	251	—
	26	353	350	350	345	342	335	339	359	345	329	322	316	—
	27	358	356	351	345	343	338	335	—	—	—	—	—	—
	28	389	388	387	382	380	380	380	395	381	359	342	328	—
	29	409	408	402	402	396	393	396	342	320	288	265	259	—
	30	354	351	349	342	338	336	332	315	294	281	272	278	—
Hourly Means.		310	306	304	299	296	291	291	288	278	264	254	259	—
Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
SEPTEMBER.	1	141	156	176	188	194	199	199	200	202	198	192	187	171
	2	144	151	163	170	178	197	199	199	199	196	198	193	168
	3	—	—	—	—	—	—	—	217	224	224	221	213	—
	4	194	195	200	212	219	230	230	229	228	227	227	224	205
	5	230	242	240	239	245	253	257	258	261	258	256	251	230
	6	242	252	264	252	251	255	258	260	264	264	263	256	240
	7	216	245	260	267	270	271	273	278	278	273	271	266	244
	8	250	256	261	268	273	278	279	282	281	281	280	280	258
	9	—	—	—	—	—	—	—	—	—	—	—	—	—
	10	—	—	—	—	—	—	—	—	—	—	—	—	—
	11	—	—	—	—	—	—	—	—	—	—	—	—	—
	12	253	271	286	296	307	308	309	308	308	305	301	300	—
	13	264	291	301	309	306	307	315	322	321	315	303	305	284
	14	291	297	305	313	320	322	321	322	322	323	324	322	303
	15	278	281	294	301	307	315	322	327	330	330	321	316	301
	16	257	276	284	292	300	309	316	315	312	308	307	300	287
	17	309	327	350	367	379	373	376	374	382	382	379	371	321
	18	346	365	371	386	393	386	394	401	374	385	382	379	380
	19	343	364	372	379	389	396	401	403	407	403	400	393	372
	20	331	354	372	382	387	392	399	402	403	400	396	393	373
	21	288	307	342	362	374	379	375	387	386	389	379	373	353
	22	318	342	360	373	375	380	384	386	391	390	388	385	354
	23	323	342	364	379	380	377	378	375	375	375	372	365	361
	24	274	303	329	342	343	343	345	346	346	346	345	343	325
	25	251	271	300	321	337	345	351	351	357	364	362	357	321
	26	322	345	364	380	388	388	389	385	380	372	369	364	355
	27	—	—	—	—	—	—	—	—	—	—	394	389	—
	28	343	367	387	407	411	411	412	417	414	411	411	412	387
	29	273	305	339	360	372	374	375	372	370	369	364	357	355
	30	293	310	332	340	340	353	357	358	355	374	383	368	334
Hourly Means		271	289	305	315	322	326	329	326	326	325	325	321	303.4

EASTERLY DECLINATION. A.

HOURLY OBSERVATIONS. — 1° 50' + THE NUMBERS IN THE TABLE.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
OCTOBER.	1	4.7	4.7	4.8	4.7	4.5	4.2	2.9	1.6	0.7	1.4	3.1	4.5	—
	2	4.6	4.7	4.8	4.8	4.5	3.9	4.2	3.7	0.3	3.6	6.2	5.2	—
	3	4.5	5.1	5.2	6.0	6.1	5.8	3.2	2.4	2.6	4.0	4.6	5.1	—
	4	5.1	5.1	5.1	5.0	4.6	4.0	2.3	1.5	1.8	2.8	3.7	4.3	—
	5	5.0	5.0	5.0	4.7	4.4	4.0	2.9	1.6	1.9	3.0	4.3	5.3	—
	6	4.4	4.6	4.6	4.7	4.6	3.9	2.7	0.9	0.5	0.7	2.4	3.8	—
	7	4.7	5.0	5.1	5.1	5.2	4.5	2.8	1.4	1.2	2.6	4.0	5.6	—
	8	5.1	4.2	5.0	5.8	5.5	4.8	3.7	1.6	2.1	2.7	3.8	5.2	—
	9	4.7	4.7	4.9	4.9	5.0	5.3	4.8	3.7	3.5	3.4	3.9	4.6	—
	10	3.9	3.5	4.2	4.2	4.2	3.9	3.3	2.1	0.8	0.4	1.5	3.2	—
	11	4.1	4.3	4.5	4.6	4.6	4.7	3.5	1.8	0.1	0.1	1.1	3.4	—
	12	4.5	4.6	4.6	4.5	4.3	4.2	3.3	1.4	0.9	0.5	1.4	2.6	—
	13	4.7	4.6	4.7	4.5	4.5	4.2	3.2	2.1	1.9	2.2	3.4	4.6	—
	14	4.5	4.3	4.3	4.0	3.5	3.3	2.2	1.4	1.4	1.4	2.2	4.0	—
	15	3.7	4.3	3.3	4.3	4.3	3.5	2.9	1.9	2.1	2.5	3.1	3.7	—
	16	3.7	3.7	4.0	4.1	3.4	3.3	3.3	2.3	2.2	1.9	2.5	4.7	—
	17	3.9	4.2	4.2	4.0	3.7	3.3	2.6	1.9	1.9	2.1	2.6	3.3	—
	18	4.6	4.8	4.8	4.6	4.3	4.1	2.2	0.4	0.5	1.3	2.5	4.8	—
	19	4.7	4.6	4.7	4.5	4.3	4.2	2.9	2.1	1.7	1.3	3.0	5.0	—
	20	4.6	4.6	4.7	4.6	4.3	4.7	3.7	2.9	2.3	2.2	2.3	3.3	—
	21	4.3	4.2	4.3	4.3	4.5	4.3	4.3	2.4	2.1	2.5	3.3	4.6	—
	22	4.2	4.3	4.3	4.5	4.7	4.5	3.4	2.2	2.1	1.9	2.6	3.8	—
	23	4.2	4.3	4.3	4.5	4.5	4.7	3.9	2.6	2.3	2.1	2.9	4.0	—
	24	4.4	4.4	4.5	4.7	4.9	5.2	5.2	4.0	3.1	2.8	3.7	5.3	—
	25	4.5	4.5	4.6	4.4	4.5	4.4	4.3	3.6	2.7	2.8	4.4	7.3	—
	26	4.5	4.3	4.5	4.3	4.0	3.0	2.2	1.7	1.7	1.9	3.9	5.4	—
	27	4.6	4.4	4.5	4.3	4.4	4.1	3.9	3.4	3.8	4.3	5.2	6.3	—
	28	5.1	4.8	4.9	4.5	4.4	4.0	3.0	2.7	2.9	3.4	4.9	6.3	—
	29	4.4	4.3	4.0	4.1	4.0	3.4	3.2	3.0*	3.0	3.8	5.1	6.3	—
	30	3.9	4.9	4.4	5.2	5.4	4.9	3.5	3.2	3.2	3.8	4.7	6.1	—
	31	4.3	4.5	4.5	4.4	4.1	3.4	2.7	2.0	2.2	3.0	4.1	6.1	—
Hourly Means.		4.5	4.5	4.6	4.6	4.5	4.2	3.3	2.2	1.9	2.3	3.4	4.8	—
Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
OCTOBER.	1	5.1	5.6	5.9	5.6	5.3	5.0	4.8	4.6	4.3	4.3	4.6	4.4	4.2
	2	6.0	6.6	6.9	7.0	5.4	4.4	4.2	3.9	4.8	5.0	3.9	4.2	4.7
	3	5.8	6.3	6.0	5.2	4.7	4.6	4.7	5.0	4.7	5.0	4.8	5.0	4.9
	4	5.4	6.1	5.5	4.7	4.3	4.6	4.7	4.7	5.0	4.8	5.0	4.7	4.4
	5	6.2	6.4	6.3	6.1	5.3	4.8	4.8	4.6	4.6	4.6	4.4	4.3	4.6
	6	5.5	6.1	5.5	5.1	4.8	4.8	4.6	4.7	4.6	4.5	4.8	4.5	4.1
	7	7.3	8.7	7.6	6.7	5.3	5.3	3.9	4.8	4.4	3.9	4.8	4.4	4.8
	8	6.8	7.1	6.6	6.1	5.6	5.2	5.1	5.0	4.8	4.8	4.7	4.7	4.8
	9	5.1	5.9	5.9	5.7	4.8	4.6	4.6	4.5	4.5	3.9	3.7	3.8	4.6
	10	4.9	5.8	5.9	5.4	4.5	4.1	4.1	4.0	4.1	3.8	3.9	3.8	3.7
	11	5.6	6.4	5.9	5.6	4.7	4.5	4.5	4.5	4.3	4.3	4.3	4.3	4.0
	12	3.8	4.8	5.7	5.7	5.6	4.9	5.0	4.8	4.6	4.5	4.6	4.5	4.0
	13	5.4	5.6	5.5	4.9	4.9	4.8	4.6	4.6	4.5	4.5	4.3	4.3	4.3
	14	5.8	7.2	6.7	6.6	5.7	4.8	4.7	4.6	4.3	4.2	3.8	4.0	4.1
	15	4.3	4.6	4.8	4.7	4.6	4.3	4.6	4.3	4.3	3.9	3.8	3.4	3.8
	16	5.9	5.8	5.8	5.4	4.9	4.5	4.5	4.1	3.8	3.8	3.8	4.0	4.0
	17	4.6	5.5	5.5	5.6	5.7	5.3	5.3	4.8	4.6	3.7	4.3	4.6	4.1
	18	6.1	5.9	5.8	5.8	5.5	5.1	5.4	5.1	4.8	4.7	4.7	4.8	4.3
	19	5.8	5.9	5.5	5.4	5.0	5.3	5.7	4.6	4.2	3.9	4.1	4.5	4.3
	20	4.5	4.1	4.0	3.5	3.8	4.1	4.6	4.5	4.2	3.8	4.3	4.3	3.9
	21	5.4	5.6	5.8	5.5	5.4	5.0	4.8	4.8	4.3	4.2	4.3	3.9	4.3
	22	4.5	4.8	4.7	4.5	4.5	4.5	4.5	4.3	4.3	4.0	4.0	4.1	4.0
	23	5.5	3.1	3.0	2.3	1.6	1.7	1.7	1.6	1.5	1.3	1.3	1.4	2.9
	24	6.3	6.3	5.9	5.2	5.1	4.8	5.2	5.2	5.1	4.9	4.8	4.6	4.8
	25	8.5	7.2	6.2	6.0	5.4	5.2	5.2	5.3	4.9	5.2	4.7	4.4	5.0
	26	6.3	7.2	7.2	7.3	6.8	6.0	5.4	5.2	4.1	4.3	4.4	4.4	4.6
	27	6.5	6.4	6.3	6.1	5.5	5.2	5.2	5.2	4.7	4.9	4.9	4.9	5.0
	28	7.2	6.4	6.2	5.9	5.5	5.2	5.2	5.1	4.5	4.3	4.4	4.1	4.8
	29	6.3	6.5	6.1	5.3	4.5	4.9	4.5	4.5	4.4	4.1	4.6	4.0	4.5
	30	6.9	6.5	6.0	5.4	4.9	4.7	4.6	4.4	4.3	4.1	4.1	4.3	4.7
	31	6.3	6.3	5.6	5.2	5.2	4.6	5.1	5.1	4.9	4.5	4.6	4.5	4.5
Hourly Means.		5.8	6.0	5.8	5.5	5.0	4.7	4.7	4.6	4.4	4.2	4.3	4.2	43.5

HORIZONTAL FORCE. A.

HOURLY OBSERVATIONS. — 0.36800 + THE NUMBERS IN THE TABLE.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
OCTOBER.	1	333	334	332	341	341	343	351	364	380	390	403	391	—
	2	344	342	343	343	349	390	389	383	467	327	293	328	—
	3	282	272	274	295	290	311	281	295	294	296	294	302	—
	4	296	299	301	307	311	319	321	333	343	360	377	375	—
	5	301	302	306	310	313	314	315	323	337	355	359	361	—
	6	305	308	319	326	325	331	339	355	361	366	361	356	—
	7	328	339	324	321	324	331	335	348	360	371	383	375	—
	8	304	320	302	305	317	318	323	340	348	367	369	366	—
	9	324	327	327	327	331	333	335	345	356	360	370	369	—
	10	315	331	322	328	332	336	346	362	384	403	395	395	—
	11	322	322	324	326	326	328	330	350	364	380	392	391	—
	12	331	333	334	336	334	336	338	343	359	370	382	392	—
	13	329	332	330	331	331	333	340	350	367	380	391	393	—
	14	336	337	339	339	337	337	352	361	370	374	384	383	—
	15	292	297	303	313	313	322	328	342	354	348	344	350	—
	16	295	303	302	308	312	317	331	346	352	359	371	361	—
	17	319	317	319	323	322	325	332	350	366	377	380	376	—
	18	307	315	310	315	319	327	337	342	354	358	369	362	—
	19	333	336	333	332	333	336	343	354	360	378	380	368	—
	20	313	322	323	327	333	333	337	346	355	360	366	367	—
	21	332	336	337	340	344	355	354	364	377	385	391	385	—
	22	322	334	331	333	334	336	343	356	367	375	375	371	—
	23	333	337	336	337	340	346	355	366	377	387	385	379	—
	24	333	333	333	334	336	338	347	361	375	384	385	381	—
	25	331	329	332	341	340	345	349	356	378	385	383	364	—
	26	304	311	310	313	317	323	326	339	349	363	361	357	—
	27	303	316	319	324	325	328	332	341	355	365	370	364	—
	28	327	330	331	333	337	338	342	357	379	390	389	381	—
	29	333	337	344	341	343	341	338	346	362	383	385	393	—
	30	308	296	302	313	313	318	315	319	330	342	339	334	—
	31	314	315	315	316	320	324	324	338	351	362	364	355	—
Hourly Means.		318	321	321	325	327	333	336	348	362	368	371	369	—
Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
OCTOBER.	1	378	361	351	341	336	342	338	336	335	336	338	342	352
	2	301	290	262	219	239	248	269	239	250	237	295	268	309
	3	310	295	286	285	286	286	289	289	289	289	289	291	290
	4	362	343	329	325	314	310	305	303	299	298	295	295	322
	5	349	333	321	310	301	313	304	298	294	292	298	302	317
	6	343	326	316	310	311	312	305	309	315	326	321	329	328
	7	353	319	306	315	310	291	323	291	292	292	310	323	328
	8	354	337	328	325	325	322	324	325	322	321	320	322	329
	9	365	352	348	341	339	338	335	334	331	326	329	321	340
	10	377	343	332	329	326	325	321	323	324	317	317	326	342
	11	379	362	346	338	334	331	330	327	325	327	327	330	342
	12	385	364	344	325	327	325	326	327	325	325	325	327	342
	13	382	363	348	338	333	328	324	323	325	327	328	332	344
	14	370	347	318	289	280	293	302	308	308	307	298	289	332
	15	346	335	327	312	294	298	288	299	294	292	286	290	315
	16	354	337	320	323	322	314	307	312	309	312	312	309	325
	17	365	353	335	320	314	299	290	281	272	299	294	299	326
	18	352	342	336	332	331	329	323	323	326	332	332	332	334
	19	373	349	347	341	337	323	290	304	301	313	320	312	337
	20	364	360	341	340	335	333	331	334	333	332	331	333	340
	21	377	360	346	333	327	323	320	310	312	309	322	315	344
	22	357	343	336	333	328	328	336	337	334	333	333	335	342
	23	371	357	350	338	333	332	332	333	333	332	330	332	348
	24	372	356	346	340	340	341	339	336	332	332	330	327	347
	25	339	316	312	310	305	304	295	290	289	290	295	298	328
	26	352	346	336	329	307	293	282	280	304	312	305	305	322
	27	361	352	344	337	333	331	328	326	328	330	329	328	336
	28	374	362	350	342	338	337	333	334	317	346	329	337	348
	29	357	339	323	317	305	303	314	315	316	325	323	304	337
	30	324	320	316	310	307	308	307	309	311	312	312	316	316
	31	349	333	327	324	322	320	316	314	314	320	320	323	328
Hourly Means.		358	342	330	322	317	315	314	312	313	314	316	316	331.9

VERTICAL FORCE. A.

HOURLY OBSERVATIONS. — 0.19500 + THE NUMBERS IN THE TABLE.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
OCTOBER.	1	358	351	351	343	339	339	337	327	313	287	266	270	—
	2	357	357	355	351	347	322	327	339	322	336	385	358	—
	3	372	374	368	355	358	357	376	369	357	338	329	323	—
	4	376	372	369	365	364	364	373	365	351	334	324	329	—
	5	386	386	380	377	374	379	383	378	361	330	317	318	—
	6	393	389	383	380	380	383	383	373	364	342	330	326	—
	7	367	359	360	361	359	358	364	356	336	315	289	286	—
	8	357	343	351	343	334	336	336	320	301	278	262	255	—
	9	336	332	330	327	323	319	328	330	322	306	300	300	—
	10	359	349	349	342	335	332	333	323	315	294	288	289	—
	11	368	367	364	360	360	358	367	364	355	330	303	283	—
	12	367	364	364	364	360	359	364	339	328	309	285	278	—
	13	336	335	331	329	327	327	332	310	285	266	249	249	—
	14	322	322	320	321	322	322	317	310	300	295	273	267	—
	15	339	330	322	314	313	315	316	302	292	291	288	284	—
	16	339	332	331	327	323	323	317	309	300	291	279	283	—
	17	339	338	336	332	332	331	335	325	310	295	285	285	—
	18	358	353	353	349	345	351	358	360	342	322	300	292	—
	19	357	352	351	350	347	346	349	341	327	310	300	307	—
	20	383	375	372	367	365	367	376	382	385	385	376	373	—
	21	376	373	367	360	356	350	360	362	348	333	312	303	—
	22	346	335	331	326	322	328	335	332	324	307	285	291	—
	23	339	335	330	327	322	317	324	278	264	261	249	246	—
	24	342	337	333	328	323	321	322	314	307	296	281	280	—
	25	349	344	339	329	327	324	325	322	310	300	283	289	—
	26	349	345	342	338	335	335	335	317	313	300	287	289	—
	27	349	339	335	329	325	323	324	323	320	310	309	310	—
	28	351	347	343	337	332	331	327	313	296	285	277	273	—
	29	334	329	322	320	315	316	315	305	290	270	261	262	—
	30	363	364	358	350	348	349	353	321	307	288	283	285	—
	31	360	357	357	354	349	346	345	327	313	294	272	279	—
Hourly Means.		356	351	348	344	341	340	343	333	321	306	294	292	—
Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
OCTOBER.	1	283	300	321	335	351	357	364	367	367	367	365	361	334
	2	369	387	399	421	414	398	393	407	400	400	367	373	370
	3	314	324	339	354	372	380	382	383	383	385	386	380	361
	4	345	373	391	399	402	396	399	399	400	398	397	393	374
	5	330	351	367	381	392	392	396	402	406	406	402	396	375
	6	332	351	373	377	377	380	383	383	379	372	373	367	370
	7	297	323	348	355	358	369	365	375	378	373	360	345	348
	8	268	288	311	321	324	331	334	337	339	342	342	338	320
	9	308	327	343	354	355	353	352	355	357	363	361	358	335
	10	295	324	343	357	365	366	370	369	372	373	374	367	341
	11	294	327	354	375	379	379	379	375	375	374	373	368	355
	12	282	300	320	332	343	350	346	349	349	346	345	341	337
	13	259	288	311	330	336	342	344	345	342	337	335	327	316
	14	275	300	317	342	353	348	338	335	332	336	343	343	319
	15	291	300	314	328	339	345	353	348	350	350	355	346	322
	16	287	288	303	311	324	345	353	357	355	351	350	345	322
	17	300	320	342	357	365	374	382	387	396	378	373	366	341
	18	302	328	346	362	374	381	383	383	380	373	367	360	351
	19	310	342	357	365	372	380	407	408	402	393	388	389	356
	20	368	379	380	386	389	389	393	392	395	392	388	381	381
	21	307	317	338	360	367	372	373	379	378	374	359	357	353
	22	303	327	343	353	358	359	357	354	355	351	348	342	334
	23	260	285	316	339	345	345	348	350	351	350	352	345	316
	24	299	318	328	342	346	345	346	348	353	354	355	352	328
	25	327	353	360	361	367	373	375	374	373	367	361	355	341
	26	300	309	323	336	355	367	376	375	358	352	355	350	335
	27	319	332	346	364	371	369	371	372	367	364	358	357	341
	28	293	312	330	341	345	351	351	348	348	345	342	338	327
	29	293	311	335	351	360	358	357	357	355	350	351	362	324
	30	303	328	344	357	364	364	367	366	366	367	364	361	343
	31	294	320	336	355	367	369	373	375	374	373	368	366	343
Hourly Means.		303	324	341	355	362	365	368	369	369	366	363	359	342.4

EASTERLY DECLINATION. A.

HOURLY OBSERVATIONS. — 1° 50' + THE NUMBERS IN THE TABLE.

Mean Batavia Time.		1 A.M.	2	3	4	5	6	7	8	9	10	11	12	—
NOVEMBER.	1	4.8	4.7	4.4	4.3	4.1	3.8	3.8	3.2	3.8	4.3	5.2	5.3	—
	2	4.4	4.3	4.0	3.6	3.5	2.1	3.0	2.0	3.5	4.3	6.1	7.5	—
	3	4.9	5.3	5.1	4.9	4.6	6.1	5.2	6.2	6.2	7.0	8.8	10.1	—
	4	4.4	4.1	4.5	3.9	3.0	0.5	0.3	1.7	3.8	4.4	5.7	6.4	—
	5	4.8	4.6	4.5	4.3	4.0	2.9	2.1	2.1	2.0	3.1	5.1	6.7	—
	6	4.5	4.4	4.4	4.3	3.9	2.9	2.0	1.7	2.4	3.4	4.7	6.0	—
	7	4.3	4.1	3.8	3.0	2.8	3.8	2.2	2.1	2.1	2.8	3.9	5.1	—
	8	4.5	4.3	4.3	4.3	4.0	2.8	2.2	2.3	2.8	3.2	3.9	4.9	—
	9	4.3	4.0	4.0	4.0	3.9	2.3	2.0	1.7	2.0	3.4	5.2	5.6	—
	10	4.4	4.3	4.1	4.1	3.5	3.0	1.4	0.5	0.6	1.6	3.0	5.2	—
	11	4.3	4.1	4.0	3.8	3.5	2.6	2.8	2.2	2.8	3.1	5.2	7.3	—
	12	4.1	4.1	4.1	3.9	3.8	2.8	2.0	2.0	2.8	3.2	4.4	6.1	—
	13	4.4	4.4	4.3	4.4	3.9	2.9	2.6	2.3	2.9	3.7	4.3	5.5	—
	14	4.3	4.3	4.3	4.3	3.9	2.1	1.8	2.1	3.9	5.3	6.1	6.7	—
	15	4.4	4.5	4.3	4.0	3.9	2.4	2.4	2.3	4.0	5.9	7.6	8.5	—
	16	4.4	4.4	4.4	4.4	3.8	1.8	1.0	0.8	1.9	3.4	4.8	6.2	—
	17	4.1	4.1	4.1	4.0	3.9	2.8	1.8	0.9	1.0	1.8	3.1	5.5	—
	18	4.1	3.7	3.1	3.6	3.5	2.1	1.1	0.8	1.6	3.1	5.2	6.3	—
	19	4.4	4.3	4.3	4.1	3.9	1.7	0.8	1.2	2.2	3.8	4.9	6.7	—
	20	4.3	4.5	4.5	4.8	4.3	3.0	2.6	1.8	1.9	2.7	4.0	5.4	—
	21	4.1	4.3	4.1	4.1	3.9	2.8	2.1	2.2	2.7	3.9	4.6	6.3	—
	22	4.7	4.7	4.6	4.6	4.4	3.1	2.3	1.6	2.4	3.9	5.0	6.5	—
	23	4.3	4.0	3.9	3.9	3.6	3.4	2.8	2.5	2.6	3.0	3.6	4.8	—
	24	5.5	4.4	4.4	4.7	4.4	3.4	2.5	2.4	2.7	3.3	4.4	5.5	—
	25	4.3	3.3	4.1	3.9	4.0	3.1	3.0	2.8	3.4	4.1	5.1	5.4	—
	26	4.1	4.1	4.2	4.0	3.8	2.6	2.6	2.6	3.3	4.1	4.7	4.6	—
	27	3.8	3.8	3.8	3.9	3.8	3.3	3.0	2.7	3.1	3.8	3.9	4.1	—
	28	3.4	3.3	3.2	3.1	3.1	2.6	2.4	3.0	3.9	3.9	4.1	4.0	—
	29	3.1	2.8	2.8	2.8	2.7	1.8	2.6	3.0	3.8	4.1	4.8	4.9	—
	30	3.4	3.2	3.2	3.2	2.5	1.8	1.8	1.9	2.6	3.8	4.8	5.4	—
Hourly Means.		4.3	4.1	4.1	4.0	3.7	2.7	2.3	2.2	2.8	3.7	4.9	6.0	—
Mean Batavia Time.		1 P.M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
NOVEMBER.	1	5.5	5.9	5.7	5.1	5.1	4.5	4.8	4.7	4.5	4.0	3.8	3.9	4.6
	2	9.7	7.0	6.2	6.1	5.5	4.9	5.1	4.6	3.4	4.0	3.9	4.1	4.7
	3	9.6	9.3	9.3	9.8	9.5	7.3	7.2	5.5	5.9	5.6	5.1	5.1	6.8
	4	7.5	7.6	7.5	6.4	6.1	5.2	5.2	5.1	4.5	4.4	4.6	4.8	4.7
	5	7.5	7.0	6.2	5.2	4.9	4.9	5.3	4.9	4.7	4.4	4.4	4.4	4.6
	6	6.7	7.3	6.5	6.0	5.3	4.8	5.1	4.9	4.8	4.3	4.5	4.5	4.6
	7	5.7	6.0	5.4	5.1	4.9	4.5	4.9	4.8	4.7	4.6	4.4	4.5	4.1
	8	6.2	6.2	6.2	5.7	5.2	5.1	4.8	4.9	4.5	4.3	4.4	4.5	4.4
	9	6.3	6.3	7.2	6.5	5.5	5.4	4.9	4.9	4.4	4.3	4.4	4.6	4.5
	10	6.3	7.3	7.5	7.2	6.2	4.7	4.9	4.5	4.5	4.3	4.4	4.3	4.2
	11	8.5	9.1	9.1	7.8	6.7	6.1	5.3	4.7	4.5	4.1	4.5	4.4	5.0
	12	7.2	7.5	7.5	6.8	6.2	5.4	5.2	5.1	4.7	4.4	4.4	4.4	4.7
	13	5.7	6.3	6.2	6.2	6.0	5.2	5.1	4.9	4.7	4.6	4.4	4.1	4.5
	14	6.9	6.4	6.0	5.5	5.3	4.5	4.7	4.6	4.5	4.4	4.4	4.1	4.6
	15	8.4	7.5	6.2	5.1	4.6	4.4	4.5	4.4	4.4	4.4	4.5	4.5	4.9
	16	6.7	6.7	6.2	5.4	4.6	4.5	4.9	4.8	4.6	4.4	4.5	4.1	4.3
	17	7.1	8.1	8.6	7.7	6.5	5.1	5.4	4.9	4.7	4.6	4.0	4.1	4.5
	18	7.5	7.1	7.3	6.5	6.1	5.4	5.3	5.2	5.2	4.4	4.3	4.4	4.5
	19	7.6	7.5	6.5	5.4	4.9	4.6	4.8	4.3	4.5	4.3	4.3	4.1	4.4
	20	6.2	6.2	6.0	5.7	5.4	4.7	4.5	4.5	4.1	4.1	3.9	4.3	4.3
	21	7.3	6.7	6.1	5.4	5.1	4.8	5.2	5.2	5.2	5.1	4.9	4.7	4.6
	22	7.3	7.4	7.1	6.5	5.4	4.9	5.0	4.9	4.9	4.6	4.7	4.2	4.8
	23	4.7	5.0	5.9	6.2	5.6	5.0	5.2	4.9	4.7	4.4	4.4	4.6	4.3
	24	5.4	5.6	5.2	4.8	4.2	4.4	4.4	6.7	4.3	4.1	4.4	4.2	4.4
	25	5.5	5.8	6.2	5.2	4.7	4.3	4.4	4.3	4.3	3.9	4.1	4.1	4.3
	26	4.2	4.1	4.4	4.9	4.1	3.6	4.0	3.9	3.9	3.8	3.9	3.8	3.9
	27	4.6	4.7	4.8	4.4	4.2	3.9	3.9	3.9	3.9	3.8	3.8	3.5	3.9
	28	5.0	5.2	5.6	5.7	5.0	3.9	4.0	3.9	3.9	3.2	3.2	3.3	3.8
	29	5.4	5.2	5.4	5.0	4.8	4.3	4.7	4.1	4.0	3.8	3.0	3.5	3.9
	30	5.6	5.5	5.7	4.3	4.1	3.9	3.9	4.0	3.9	3.8	3.8	3.8	3.7
Hourly Means.		6.6	6.6	6.5	5.9	5.4	4.8	4.9	4.7	4.5	4.3	4.2	4.2	4.48

HORIZONTAL FORCE. A.

HOURLY OBSERVATIONS. — 0.36800 + THE NUMBERS IN THE TABLE.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
NOVEMBER.	1	321	322	328	331	331	332	340	351	366	374	375	379	—
	2	309	320	327	333	331	343	339	360	353	386	379	361	—
	3	256	277	293	297	287	256	265	257	260	288	255	246	—
	4	248	257	261	274	277	279	274	305	305	322	328	323	—
	5	289	288	294	294	297	303	313	322	343	341	348	340	—
	6	295	295	296	300	300	306	314	329	339	355	355	346	—
	7	314	322	312	306	309	319	331	333	353	370	371	362	—
	8	323	317	319	317	318	324	331	347	359	368	372	367	—
	9	317	323	323	319	315	320	325	340	348	351	343	339	—
	10	308	313	313	312	315	315	316	318	327	341	341	332	—
	11	302	306	305	307	312	316	322	329	345	360	355	348	—
	12	308	306	308	310	308	314	320	323	330	340	344	344	—
	13	306	312	315	318	317	320	328	333	341	343	343	337	—
	14	318	319	320	318	321	326	337	350	360	367	363	355	—
	15	320	319	315	317	316	319	329	347	352	358	358	355	—
	16	321	323	322	322	327	330	336	343	359	371	373	370	—
	17	323	327	324	327	325	328	334	343	358	375	380	373	—
	18	293	308	314	305	309	313	326	343	353	361	364	355	—
	19	305	319	316	314	313	322	326	336	338	348	350	349	—
	20	305	307	310	310	320	317	323	332	347	353	351	347	—
	21	309	309	314	318	318	324	332	341	354	359	355	349	—
	22	309	310	313	314	318	320	324	332	341	352	363	360	—
	23	325	331	334	338	340	342	341	355	365	375	384	383	—
	24	311	308	307	313	321	323	331	328	331	340	335	323	—
	25	302	308	316	313	313	319	331	332	345	356	362	366	—
	26	309	312	318	320	318	322	329	336	347	353	356	354	—
	27	321	321	323	326	325	328	331	337	347	355	364	366	—
	28	324	326	329	330	338	338	341	343	347	353	314	318	—
	29	290	294	297	296	304	309	314	321	329	339	342	345	—
	30	305	303	309	313	315	314	313	326	334	341	349	351	—
Hourly Means.		306	310	313	314	315	318	324	333	343	353	353	348	—
Mean Batavia time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
NOVEMBER.	1	370	364	355	342	334	333	337	330	320	318	315	305	341
	2	311	300	336	330	323	309	297	294	300	243	279	266	322
	3	213	193	181	173	158	157	164	261	203	211	239	240	235
	4	318	328	301	287	265	279	272	276	284	277	282	279	288
	5	330	319	310	302	296	286	286	290	290	293	293	294	307
	6	334	322	315	310	308	302	303	300	304	303	304	307	314
	7	350	342	332	329	316	310	305	310	308	309	309	315	327
	8	359	348	343	329	319	312	303	298	308	318	322	313	331
	9	328	322	310	298	291	272	271	281	290	302	299	304	314
	10	340	339	330	324	317	313	309	312	310	304	313	300	319
	11	336	330	317	305	295	277	268	269	289	295	298	300	312
	12	338	337	335	322	311	303	303	296	291	300	302	306	317
	13	334	333	335	336	333	325	324	317	322	324	314	317	326
	14	350	336	327	322	324	314	307	317	317	317	313	321	330
	15	350	343	340	331	324	319	319	316	317	317	318	318	330
	16	359	349	343	342	340	337	335	332	340	335	327	321	340
	17	369	366	367	339	326	325	318	327	323	311	311	309	338
	18	356	337	320	302	307	305	305	299	293	313	316	304	321
	19	347	346	341	334	327	317	310	304	291	290	290	305	322
	20	337	333	329	325	320	317	315	308	318	308	309	300	323
	21	334	328	322	315	313	313	309	312	311	308	310	308	324
	22	352	334	328	326	327	325	325	322	319	319	322	325	328
	23	379	347	341	337	326	323	321	317	315	320	322	329	341
	24	322	314	310	317	318	313	312	312	314	305	313	311	318
	25	353	337	318	310	310	309	312	314	312	314	305	310	324
	26	349	337	332	322	323	318	317	320	317	318	317	319	328
	27	356	347	340	336	331	326	326	324	324	324	323	324	334
	28	295	282	269	259	269	273	259	246	241	257	281	286	302
	29	334	314	299	303	311	308	302	302	300	299	324	300	312
	30	316	334	314	318	313	315	305	319	313	314	313	315	321
Hourly Means.		338	329	321	314	309	305	301	304	303	302	306	305	319.6

VERTICAL FORCE. A.

HOURLY OBSERVATIONS. — 0.19500 + THE NUMBERS IN THE TABLE.

Mean Batavia Time.		1 A.M.	2	3	4	5	6	7	8	9	10	11	12	—
NOVEMBER.	1	364	360	356	351	349	345	338	357	343	331	309	315	—
	2	391	381	373	364	367	361	357	340	324	303	303	307	—
	3	389	371	364	361	364	373	362	357	357	324	336	344	—
	4	371	365	363	357	358	362	351	315	310	303	304	300	—
	5	362	360	357	355	354	355	345	327	315	312	300	302	—
	6	374	372	367	364	362	363	357	335	314	297	291	296	—
	7	375	367	371	374	367	357	354	315	304	284	277	281	—
	8	341	339	337	335	331	330	320	303	291	283	277	285	—
	9	354	348	349	344	345	346	336	319	303	292	291	292	—
	10	348	340	339	338	335	336	334	321	307	290	271	273	—
	11	349	346	342	338	334	332	322	261	249	234	231	236	—
	12	315	314	314	310	310	310	302	292	276	264	256	249	—
	13	331	328	324	321	318	317	303	300	294	286	284	288	—
	14	352	346	344	341	338	337	326	313	300	289	288	297	—
	15	358	358	358	352	352	352	337	321	307	291	276	280	—
	16	330	327	324	323	320	324	316	295	273	261	256	258	—
	17	330	325	323	321	321	324	322	319	307	296	281	266	—
	18	343	334	329	322	316	318	308	285	275	264	256	273	—
	19	331	324	327	326	327	330	327	316	303	286	280	273	—
	20	314	310	306	303	299	307	300	287	271	258	255	259	—
	21	333	329	323	317	315	317	310	254	236	233	251	259	—
	22	—	—	—	—	—	—	—	—	—	—	—	—	—
	23	—	—	—	—	—	—	—	—	—	—	—	—	—
	24	—	—	—	—	—	—	—	—	—	—	—	—	—
	25	—	—	—	—	—	—	—	—	—	—	—	400	—
	26	433	429	424	420	421	424	417	396	384	373	364	372	—
	27	408	406	402	400	397	395	392	377	369	364	369	374	—
	28	376	372	369	367	360	360	361	362	360	346	347	364	—
	29	367	366	366	368	362	366	363	352	344	340	337	326	—
	30	370	368	364	363	364	367	364	352	339	320	304	310	—
Hourly Means.		358	353	351	348	346	346	339	322	310	297	292	299	—
Mean Batavia Time.		1 P.M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
NOVEMBER.	1	333	351	373	392	397	403	396	400	402	400	402	402	365
	2	338	366	358	364	372	380	385	389	389	412	394	389	363
	3	378	396	411	416	325	425	417	372	393	391	381	375	378
	4	310	310	334	358	379	379	381	380	375	380	376	372	350
	5	317	338	354	369	378	380	382	386	385	381	381	379	353
	6	313	335	353	367	375	383	386	389	387	387	383	380	355
	7	300	313	324	335	345	348	351	351	350	350	350	342	337
	8	299	317	328	338	350	362	365	367	364	358	356	358	331
	9	310	321	338	359	373	382	383	375	367	357	358	353	341
	10	271	278	294	315	334	346	354	354	355	357	355	353	325
	11	249	264	285	309	330	351	348	347	335	327	321	317	307
	12	253	267	285	315	335	344	344	346	349	343	338	332	307
	13	294	305	313	321	337	349	358	358	357	356	358	355	323
	14	314	329	348	364	372	374	380	376	375	372	372	364	342
	15	288	310	335	350	355	355	351	351	345	342	338	335	333
	16	268	288	310	328	333	336	337	338	332	333	337	338	312
	17	268	274	293	320	342	353	355	347	345	345	344	338	319
	18	281	294	313	330	332	335	337	342	345	335	331	335	314
	19	284	294	307	317	328	330	330	330	336	334	330	313	316
	20	270	287	303	313	320	328	333	338	337	342	340	340	305
	21	—	—	—	—	—	—	—	—	—	—	—	—	—
	22	—	—	—	—	—	—	—	—	—	—	—	—	—
	23	—	—	—	—	—	—	—	—	—	—	—	—	—
	24	—	—	—	—	—	—	—	—	—	—	—	—	—
	25	423	442	463	468	458	456	449	441	440	441	444	436	—
	26	388	404	416	421	428	428	424	420	419	416	415	412	410
	27	372	369	383	396	400	399	393	388	384	380	380	378	386
	28	381	400	422	420	404	393	405	416	415	400	376	368	381
	29	324	332	348	366	372	377	384	382	380	380	365	374	360
	30	323	336	358	366	373	376	380	369	373	370	368	365	356
Hourly Means.		313	328	344	358	367	372	373	371	371	369	365	362	342.8

EASTERLY DECLINATION. A.

HOURLY OBSERVATIONS. — 1° 50' + THE NUMBERS IN THE TABLE.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
D E C E M B E R.	1	3.5	3.4	3.3	3.0	2.7	1.5	0.5	0.7	1.6	2.7	3.1	4.1	—
	2	3.3	3.2	3.2	3.0	2.7	1.5	0.4	— 0.7	0.3	1.7	2.7	4.2	—
	3	3.2	3.1	3.1	3.0	2.7	1.5	0.4	— 0.4	— 0.1	0.9	2.7	4.0	—
	4	3.3	3.1	3.0	2.8	2.8	1.0	0.5	0.3	1.0	2.7	4.1	5.7	—
	5	3.1	3.3	3.1	3.1	2.7	1.5	0.2	— 1.0	0.2	1.5	2.6	3.6	—
	6	2.8	2.8	2.7	2.6	2.1	1.5	1.3	1.0	1.5	1.8	2.6	3.8	—
	7	2.8	2.8	2.8	2.7	2.2	1.4	0.6	0.1	0.3	0.8	1.8	2.5	—
	8	2.6	2.5	2.2	2.0	1.8	0.8	0.3	0.5	1.6	2.0	2.8	3.3	—
	9	2.7	2.7	2.5	2.4	1.9	1.4	0.6	— 0.1	0.9	1.4	1.1	2.0	—
	10	2.8	2.8	2.8	2.5	2.2	1.7	1.9	2.2	2.2	2.6	2.1	3.1	—
	11	2.9	2.8	2.8	2.7	2.7	2.1	1.5	0.8	0.4	0.6	1.7	2.7	—
	12	2.8	2.5	2.9	3.2	2.8	2.4	1.3	0.5	— 0.1	— 0.3	0.6	2.2	—
	13	3.0	2.8	2.9	2.7	2.7	2.5	1.9	1.5	1.9	2.0	2.8	3.2	—
	14	3.2	3.1	3.0	2.9	3.0	1.9	0.6	0.3	0.5	0.8	1.5	2.4	—
	15	2.7	2.0	1.9	2.0	1.6	0.3	— 0.6	— 0.5	1.5	2.9	4.0	5.1	—
	16	4.0	3.7	3.9	3.5	2.6	1.5	0.4	0.1	1.5	2.9	3.7	3.7	—
	17	3.2	3.3	3.3	3.0	2.7	1.3	— 0.2	— 0.5	0.1	— 0.3	0.8	2.2	—
	18	2.7	2.9	2.8	2.7	2.5	1.9	2.1	2.0	2.6	3.0	4.0	5.5	—
	19	4.9	4.2	4.2	3.7	3.3	2.7	1.7	1.7	1.9	2.8	3.8	5.4	—
	20	4.0	3.8	3.5	2.7	2.1	1.5	0.6	— 0.2	1.0	2.0	3.5	3.3	—
	21	3.9	4.2	3.9	3.7	3.3	3.2	3.1	1.7	1.4	0.6	2.2	3.9	—
	22	6.2	6.0	5.5	4.9	4.2	3.6	2.9	2.2	2.6	3.5	3.2	3.6	—
	23	3.9	4.4	4.0	4.2	3.6	4.5	4.4	2.9	1.8	2.7	3.0	3.9	—
	24	3.8	3.7	3.5	3.6	3.5	3.5	3.1	2.8	2.2	2.7	4.8	6.0	—
	25	3.8	3.8	3.7	3.8	3.6	2.5	1.3	1.9	2.0	2.2	2.6	3.7	—
	26	3.8	3.8	3.7	3.6	3.0	3.5	3.5	4.2	3.2	2.9	3.5	4.9	—
	27	4.3	4.4	4.3	4.0	2.8	4.3	4.9	4.7	4.4	3.2	3.1	3.6	—
	28	3.8	3.6	3.5	3.8	3.1	4.0	3.2	3.2	3.7	3.8	4.8	5.0	—
	29	4.0	4.0	3.8	3.2	3.3	2.7	3.8	3.7	3.3	2.8	2.9	3.6	—
	30	4.2	3.7	4.0	3.8	3.6	2.8	2.7	3.1	2.6	2.5	3.0	3.8	—
	31	4.5	4.3	4.2	4.0	3.6	2.4	2.5	2.7	3.9	3.6	4.5	6.6	—
Hourly Means.		3.5	3.4	3.4	3.2	2.8	2.2	1.7	1.3	1.7	2.1	2.9	3.9	—
Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
D E C E M B E R.	1	5.0	5.9	5.2	4.3	3.8	3.8	3.7	3.8	3.7	3.6	3.5	3.4	3.3
	2	6.2	6.7	6.0	4.8	3.9	3.1	3.6	3.6	3.6	3.2	3.2	3.1	3.2
	3	4.9	4.9	4.3	4.0	3.5	2.7	3.4	3.5	3.6	3.4	3.4	3.3	2.9
	4	6.4	6.5	6.0	5.2	4.2	3.1	3.4	3.3	3.3	3.2	3.1	3.1	3.4
	5	5.1	5.2	5.2	5.5	4.4	2.4	2.8	2.9	3.0	2.8	2.8	2.7	2.9
	6	4.4	3.9	3.3	3.5	3.1	2.8	2.9	2.9	2.9	2.8	2.9	2.8	2.7
	7	3.3	3.5	3.9	4.2	3.8	2.8	3.0	2.9	2.9	2.8	2.8	2.8	2.5
	8	5.0	5.8	5.4	5.1	3.9	3.0	3.0	3.0	3.0	2.0	2.4	2.7	2.8
	9	3.2	3.6	3.8	4.2	4.2	3.2	3.6	3.1	2.8	2.8	2.8	2.9	2.5
	10	3.8	4.2	4.4	4.0	3.5	2.9	3.2	3.2	3.1	2.9	3.0	3.0	2.9
	11	3.0	4.0	5.4	5.5	4.3	3.0	3.2	3.1	2.9	2.4	2.4	2.8	2.7
	12	3.3	3.7	3.8	3.2	3.0	3.1	3.6	3.2	3.2	3.1	3.1	3.2	2.5
	13	3.6	3.9	4.0	4.0	3.7	3.1	3.6	3.7	3.7	3.5	3.3	3.2	3.1
	14	3.2	3.2	3.5	4.3	4.5	4.9	4.4	4.3	4.0	3.3	3.1	2.8	2.9
	15	4.0	3.6	5.3	5.8	5.3	3.9	1.7	3.2	3.3	3.1	3.1	3.1	2.8
	16	4.4	5.2	4.7	4.4	4.0	3.7	3.8	3.0	3.1	2.6	2.8	3.3	3.2
	17	3.1	3.2	3.3	3.1	2.7	2.1	2.2	2.1	2.1	2.1	2.2	2.5	2.1
	18	7.3	6.3	5.4	4.3	3.2	2.7	7.5	6.5	6.2	5.6	5.2	5.1	4.2
	19	6.5	5.8	5.4	6.2	5.6	4.5	4.5	4.4	4.0	4.3	4.3	4.0	4.2
	20	5.3	7.2	6.0	5.8	5.6	3.8	4.2	4.4	4.4	4.0	4.0	3.8	3.6
	21	7.7	7.7	7.1	6.5	6.0	6.3	6.2	6.6	6.7	6.6	6.7	6.5	4.8
	22	3.5	3.9	4.4	5.0	4.4	4.3	4.7	4.7	4.4	4.4	4.3	4.0	4.2
	23	5.5	5.9	7.4	6.5	5.8	5.3	5.3	5.1	4.8	4.2	3.9	4.0	4.5
	24	6.7	6.9	6.3	5.3	4.5	4.4	4.8	4.7	4.8	4.3	4.2	3.9	4.3
	25	5.5	5.8	6.1	5.5	4.9	4.8	5.0	4.5	3.9	4.9	4.0	3.7	3.9
	26	5.8	5.6	4.8	4.7	4.8	4.9	5.1	5.2	4.8	4.8	4.5	4.4	4.3
	27	4.5	5.6	7.4	6.7	5.2	4.7	4.5	4.5	4.4	4.3	4.3	4.0	4.5
	28	5.8	5.6	5.2	5.9	5.6	6.0	5.9	5.6	5.1	4.9	5.0	3.2	4.6
	29	3.8	3.6	4.3	4.5	4.0	4.2	4.0	4.4	4.4	4.5	3.8	3.9	3.8
	30	3.2	2.4	2.9	4.2	5.2	4.9	5.0	4.9	4.9	4.9	4.7	4.5	3.8
	31	7.3	6.8	5.8	5.2	4.4	4.0	4.5	4.5	4.7	4.7	4.3	4.4	4.5
Hourly Means.		4.8	5.0	5.0	4.9	4.4	3.8	4.1	4.0	3.9	3.7	3.6	3.6	3.47

HORIZONTAL FORCE. A.

HOURLY OBSERVATIONS. — 0.36800 + THE NUMBERS IN THE TABLE.

Mean Batavia Time.		1 A.M.	2	3	4	5	6	7	8	9	10	11	12	—
D E C E M B E R.	1	316	319	319	323	327	329	333	338	347	352	359	353	—
	2	—	—	—	—	—	—	—	343	345	349	354	350	—
	3	322	320	323	324	328	328	335	340	349	356	352	350	—
	4	324	327	328	327	329	330	335	348	358	362	364	362	—
	5	321	322	322	324	327	330	334	347	354	355	352	348	—
	6	332	322	332	334	337	341	343	350	360	369	373	369	—
	7	330	333	333	335	335	338	344	356	374	387	388	386	—
	8	334	335	334	332	334	345	337	345	358	369	377	378	—
	9	303	303	310	306	313	319	328	338	340	348	353	356	—
	10	319	317	323	328	327	331	337	340	347	350	356	360	—
	11	337	338	333	335	337	337	345	350	366	373	370	366	—
	12	308	313	298	305	323	321	322	328	336	340	340	331	—
	13	317	322	322	323	332	337	344	348	359	371	373	375	—
	14	326	329	330	335	333	337	343	347	354	359	356	353	—
	15	295	305	318	302	337	336	340	347	335	336	325	310	—
	16	300	303	301	301	318	315	322	331	333	331	337	334	—
	17	302	306	310	317	315	318	320	332	336	345	353	353	—
	18	322	329	325	326	329	333	344	349	363	379	391	383	—
	19	335	337	340	342	344	347	353	359	371	390	395	392	—
	20	349	348	353	378	377	383	396	414	424	425	380	405	—
	21	335	352	349	352	350	346	345	351	356	369	374	372	—
	22	334	336	335	337	338	337	336	344	355	375	383	393	—
	23	348	344	362	336	326	318	359	352	374	367	369	349	—
	24	329	329	331	333	332	331	333	334	348	358	366	363	—
	25	329	329	329	328	332	332	338	348	356	366	370	375	—
	26	331	331	330	332	342	339	342	340	361	375	380	380	—
	27	331	332	338	337	338	340	344	346	349	364	360	356	—
	28	334	338	336	333	348	349	355	356	371	373	359	343	—
	29	328	320	329	329	337	323	324	323	333	351	362	357	—
	30	322	323	325	328	328	336	341	339	348	352	356	350	—
	31	—	—	—	—	—	—	—	362	376	391	389	371	—
Hourly Means.		325	326	328	329	334	335	340	347	356	364	365	362	—
Mean Batavia Time.		1 P.M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
D E C E M B E R.	1	347	342	337	332	328	319	—	—	—	—	—	—	—
	2	346	337	327	324	322	321	320	323	320	321	317	322	—
	3	340	333	327	322	322	324	325	322	320	319	320	322	330
	4	352	343	337	334	336	332	331	332	328	324	327	325	337
	5	337	329	320	314	322	331	327	329	329	330	329	331	332
	6	361	347	337	332	335	335	334	334	335	332	332	330	342
	7	378	368	355	346	343	337	337	337	337	337	336	335	349
	8	373	348	333	331	319	313	302	307	296	314	295	296	334
	9	356	351	333	328	317	314	317	320	323	323	321	317	327
	10	359	353	343	331	327	327	327	330	328	331	331	330	336
	11	361	349	336	330	323	313	310	307	298	292	296	317	334
	12	322	315	313	310	316	318	320	323	317	321	320	316	320
	13	375	365	352	341	332	330	326	326	325	325	325	325	340
	14	356	353	348	346	329	297	264	296	304	304	293	300	329
	15	302	299	284	255	234	247	279	276	285	297	299	294	302
	16	311	299	290	296	300	302	297	307	300	315	293	295	310
	17	348	343	333	329	329	327	328	328	324	323	325	330	328
	18	375	370	367	357	357	342	334	334	331	328	333	334	347
	19	377	368	358	353	350	347	350	349	348	347	347	348	356
	20	381	352	336	326	313	316	327	332	330	331	338	335	361
	21	356	342	333	333	333	336	335	329	324	332	332	333	345
	22	377	363	353	342	345	337	339	340	340	341	340	342	348
	23	332	328	303	277	278	312	334	323	332	346	341	329	335
	24	358	349	338	332	337	331	327	327	325	324	325	328	337
	25	356	338	325	316	317	316	315	318	329	326	329	332	335
	26	372	364	360	350	342	338	337	336	336	337	338	333	347
	27	352	342	339	338	334	334	335	334	332	333	334	332	341
	28	339	358	353	342	316	325	323	321	322	327	316	338	341
	29	352	337	321	311	311	314	311	318	314	314	328	323	328
	30	341	336	327	322	323	323	321	323	316	319	324	323"	331
	31	357	339	329	319	325	325	325	329	326	327	328	322	—
Hourly Means.		353	344	334	327	323	322	322	324	322	325	324	325	335.4

VERTICAL FORCE. A.

HOURLY OBSERVATIONS. — 0.19500 + THE NUMBERS IN THE TABLE,

Mean Batavia Time.		1 A.M.	2	3	4	5	6	7	8	9	10	11	12	
DECEMBER.	1	366	364	364	362	361	372	368	396	374	359	344	342	—
	2	—	—	—	—	—	—	—	426	407	383	363	356	—
	3	426	425	424	421	420	428	430	424	405	389	380	372	—
	4	407	405	400	400	400	404	388	369	345	328	—	—	—
	5	—	—	—	—	—	—	—	—	—	—	—	—	—
	6	—	—	—	—	—	—	—	—	—	—	—	—	—
	7	380	379	379	379	379	379	376	374	370	366	367	368	—
	8	379	377	378	376	376	375	373	361	357	356	308	308	—
	9	400	399	397	401	397	398	401	396	389	379	366	360	—
	10	403	404	399	397	397	397	390	383	380	383	383	380	—
	11	392	392	395	394	392	396	391	388	371	356	356	359	—
	12	400	399	410	404	394	403	414	413	409	397	380	370	—
	13	401	398	398	398	393	396	401	401	395	394	401	390	—
	14	400	399	398	394	397	403	404	405	401	396	386	383	—
	15	410	406	399	408	392	401	392	353	336	334	342	353	—
	16	373	373	375	375	370	380	378	363	361	366	359	347	—
	17	374	372	370	369	372	379	374	358	344	335	320	322	—
	18	373	369	371	370	370	369	362	350	346	346	345	343	—
	19	432	429	427	425	425	430	428	392	373	356	358	357	—
	20	327	328	325	315	321	323	320	286	275	270	263	249	—
	21	283	274	275	274	276	286	295	292	284	264	239	240	—
	22	276	276	276	276	276	280	287	287	270	260	253	260	—
	23	283	281	277	294	299	302	289	294	278	273	272	282	—
	24	300	300	300	297	297	297	299	327	322	299	275	273	—
	25	318	317	316	314	313	321	314	288	284	278	274	261	—
	26	308	308	307	307	301	299	302	309	309	305	297	288	—
	27	316	315	311	309	309	302	300	305	314	308	300	297	—
	28	309	309	310	311	302	300	304	302	300	296	306	314	—
	29	319	322	317	316	314	324	317	329	331	325	304	295	—
	30	325	325	325	325	323	321	317	309	309	302	290	299	—
	31	317	316	317	315	311	314	301	275	261	260	253	248	—
Hourly Means.		357	356	355	355	353	356	354	350	341	333	324	322	—
Mean Batavia Time.		1 P.M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
DECEMBER.	1	342	350	368	390	402	—	—	—	—	—	—	—	—
	2	356	380	415	431	440	442	440	437	437	437	437	431	—
	3	376	387	392	404	412	416	416	417	421	420	416	413	410
	4	—	—	—	—	—	—	—	—	—	—	—	—	—
	5	—	—	—	—	—	—	—	—	—	—	—	—	—
	6	—	365	370	370	370	373	374	377	378	379	380	381	—
	7	366	368	370	372	376	378	379	377	378	378	379	379	375
	8	319	340	364	374	386	395	399	395	401	399	403	404	371
	9	354	365	376	384	401	406	401	401	400	400	401	403	391
	10	374	383	383	392	401	401	398	396	397	396	396	396	392
	11	361	358	360	379	392	406	405	405	410	414	411	395	387
	12	372	383	388	396	394	394	394	395	397	397	398	401	396
	13	383	384	385	388	399	403	402	401	401	399	400	400	396
	14	379	385	381	378	391	417	439	418	407	409	416	409	400
	15	370	365	365	375	398	401	387	379	379	373	373	376	378
	16	349	362	372	374	379	378	379	379	380	374	385	381	371
	17	337	344	355	358	365	372	371	371	374	375	373	371	361
	18	404	419	430	437	441	446	446	439	438	439	434	433	397
	19	293	307	318	310	324	328	325	325	327	327	328	329	361
	20	255	270	282	282	297	300	288	284	286	286	286	283	292
	21	246	260	270	276	278	272	276	281	281	277	277	276	273
	22	265	270	280	293	299	294	291	287	287	288	288	286	279
	23	291	288	306	318	313	293	282	294	292	291	296	302	291
	24	285	303	328	334	330	323	324	323	324	324	321	320	309
	25	264	281	296	305	313	309	310	309	304	306	306	306	300
	26	286	302	316	311	314	316	312	311	311	312	314	314	307
	27	273	265	268	284	300	307	309	308	308	309	309	311	302
	28	325	314	308	308	316	318	321	321	321	321	325	319	312
	29	297	308	318	328	334	332	332	328	330	329	321	326	321
	30	318	320	317	316	316	320	322	321	324	325	319	318	317
	31	259	275	292	309	311	311	309	307	309	309	308	310	296
Hourly Means.		325	335	344	351	358	359	358	357	357	357	357	356	345.6

EASTERLY DECLINATION. D.
DEVIATIONS. — UNITY = 0'.1.

Mean Batavia Time.	1 A.M.	2	3	4	5	6	7	8	9	10	11	12	—	
JANUARY.	1	0	0	0	1	3	0	— 8	— 5	— 5	— 5	2	14	—
	2	— 1	0	— 1	— 1	1	9	13	9	— 5	— 17	— 15	4	—
	3	2	4	1	2	3	6	— 4	3	— 4	— 13	— 11	— 3	—
	4	— 3	— 2	— 2	0	4	9	15	8	— 8	— 18	— 21	— 8	—
	5	2	5	6	15	18	26	24	19	1	— 19	— 34	— 37	—
	6	7	7	10	11	13	27	37	26	0	— 27	— 45	— 42	—
	7	— 3	— 2	— 4	— 3	1	9	13	12	0	— 12	— 12	— 11	—
	8	— 8	— 9	— 7	— 8	— 6	4	12	13	12	0	— 3	8	—
	9	0	— 3	2	6	7	8	12	9	1	— 12	— 17	— 24	—
	10	2	0	1	0	3	6	7	5	0	— 13	— 15	— 8	—
	11	— 2	4	4	4	5	4	6	0	— 10	— 4	1	8	—
	12	— 1	— 3	— 7	— 8	— 11	— 5	— 2	13	14	9	9	9	—
	13	2	4	6	6	4	— 11	— 25	4	2	9	11	18	—
	14	5	7	6	2	1	— 1	— 3	— 4	— 1	— 2	1	10	—
	15	3	1	2	— 1	— 5	— 11	— 13	0	1	0	14	18	—
	16	— 1	0	2	1	4	4	— 5	— 14	— 18	— 5	0	0	—
	17	— 3	0	— 3	2	0	3	— 2	— 10	— 5	0	— 2	— 4	—
	18	2	4	3	4	3	6	8	— 1	— 10	— 16	— 17	— 14	—
	19	0	— 2	— 2	— 1	— 7	— 1	3	8	9	— 4	— 18	— 13	—
	20	0	0	3	3	2	4	— 1	3	2	— 6	— 12	— 15	—
	21	— 3	— 3	— 3	— 4	— 2	— 2	2	5	7	— 5	— 7	— 2	—
	22	— 2	— 2	— 2	— 5	— 3	2	3	4	7	4	— 4	— 13	—
	23	— 1	0	— 1	— 3	— 3	— 3	2	3	12	2	— 12	— 19	—
	24	1	0	— 1	0	0	1	5	7	1	— 8	— 21	— 11	—
	25	— 3	— 1	— 2	— 2	— 1	3	5	8	7	— 6	— 13	— 5	—
	26	1	3	1	3	— 1	— 8	— 6	— 6	— 13	— 9	— 1	— 9	—
	27	4	6	5	1	4	— 3	— 3	— 2	0	— 9	2	3	—
	28	8	5	7	2	3	2	0	— 6	— 7	3	1	— 3	—
	29	3	2	2	2	5	4	— 1	— 12	— 14	— 2	0	— 2	—
	30	5	2	3	3	6	7	5	— 20	— 21	— 9	— 2	— 2	—
	31	3	3	4	5	5	4	— 1	— 2	— 6	— 5	— 10	— 12	—
Hourly Amount.	81	84	103	109	134	193	245	232	199	266	338	349	—	

Mean Batavia Time.	1 P.M.	2	3	4	5	6	7	8	9	10	11	12	Daily Amount.	
JANUARY.	1	16	12	0	— 3	— 10	— 6	— 4	— 4	— 4	— 2	— 1	— 2	107
	2	12	11	7	7	— 2	— 6	— 5	— 2	— 1	— 1	— 1	0	131
	3	— 3	0	6	5	3	0	3	1	0	— 3	0	— 2	82
	4	9	9	7	4	0	— 3	1	— 3	— 2	— 4	— 2	0	142
	5	— 29	— 16	— 11	— 7	— 1	4	7	3	5	3	6	8	306
	6	— 34	— 16	— 6	6	15	10	5	4	3	1	0	— 2	354
	7	— 4	5	11	9	5	3	2	0	— 1	— 2	— 6	— 7	137
	8	11	11	8	6	— 3	— 6	— 4	— 2	— 2	— 4	— 8	— 6	161
	9	— 23	— 12	— 5	— 5	5	8	9	6	5	7	3	3	192
	10	— 3	— 2	— 4	4	3	0	2	3	5	4	3	3	96
	11	— 4	— 21	— 36	— 12	13	15	10	7	4	2	1	0	177
	12	3	6	4	— 7	— 12	— 14	— 5	— 7	— 4	— 2	— 1	1	157
	13	12	— 5	— 9	— 7	— 6	— 4	— 1	0	0	— 2	— 1	0	149
	14	5	1	— 7	— 13	— 10	— 5	0	2	3	2	5	4	100
	15	18	13	9	10	2	— 12	— 14	— 13	— 10	— 6	— 6	— 3	185
	16	16	15	6	3	0	— 1	— 3	— 1	— 2	— 6	— 4	— 4	119
	17	11	11	14	16	5	— 2	— 5	— 6	— 7	— 6	— 3	— 2	122
	18	— 11	— 1	5	7	0	5	5	4	4	2	2	0	134
	19	— 5	— 4	9	13	12	6	1	— 2	— 2	— 3	— 1	— 1	127
	20	— 17	— 11	0	8	12	8	6	3	3	3	2	— 1	125
	21	— 4	— 4	— 4	— 1	10	9	7	2	0	0	— 2	— 2	90
	22	— 14	— 2	8	8	— 1	2	6	4	3	4	1	— 2	106
	23	— 16	— 9	9	10	10	5	4	5	2	2	0	0	133
	24	— 4	10	8	1	— 6	— 2	3	2	2	2	0	— 1	97
	25	11	12	10	5	0	3	2	0	— 1	— 1	1	1	103
	26	— 9	— 1	6	10	3	6	— 2	1	— 2	— 1	0	1	103
	27	2	2	— 2	— 7	— 6	— 4	— 3	3	— 1	2	3	1	78
	28	1	4	3	— 1	— 5	— 3	0	1	0	2	5	5	77
	29	1	6	7	2	— 4	— 3	2	0	2	3	5	5	89
	30	0	8	10	3	— 4	— 4	— 3	1	2	1	1	1	123
	31	— 18	— 9	0	10	13	3	1	3	4	1	3	4	129
Hourly Amount.	326	249	231	210	181	162	125	95	86	84	77	72	4231	

HORIZONTAL FORCE. D.

DEVIATIONS. — UNITY == 0.00001 C. G. S.

Mean Batavia Time.	1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
1	— 4	— 6	— 5	— 4	— 5	— 3	— 4	— 1	6	13	12	12	—
2	— 5	— 5	— 3	— 3	— 6	— 2	— 3	— 1	4	0	0	1	—
3	— 2	— 1	— 1	— 1	— 1	— 5	17	10	12	2	— 1	— 1	—
4	— 2	— 2	— 4	— 2	— 5	— 3	0	— 2	0	— 4	— 4	0	—
5	0	1	6	3	4	4	3	— 1	5	10	5	— 4	—
6	5	8	5	2	3	1	0	— 7	— 8	— 2	4	0	—
7	— 4	— 7	— 8	— 7	— 7	— 9	— 11	— 10	— 8	0	0	6	—
8	3	5	2	7	5	1	— 8	— 17	— 11	— 8	— 9	— 10	—
9	— 4	2	— 5	— 2	— 1	0	— 4	— 7	— 7	— 2	0	3	—
10	— 3	— 2	— 2	1	— 2	— 6	— 6	— 11	— 11	— 3	10	14	—
11	0	— 1	1	— 3	— 9	— 6	22	10	13	9	11	— 8	—
12	5	— 10	9	— 11	— 8	— 4	— 2	— 6	— 7	— 6	— 10	— 7	—
13	— 3	3	6	4	6	11	18	4	11	11	2	— 11	—
14	3	0	— 2	1	— 1	— 1	— 1	4	12	15	8	1	—
15	3	2	6	4	3	6	3	4	4	7	— 6	— 5	—
16	4	5	1	2	2	1	0	5	3	0	3	— 1	—
17	— 2	— 1	0	1	3	0	— 1	— 7	— 15	— 4	2	7	—
18	— 1	— 3	— 6	— 2	— 3	0	— 13	— 16	— 15	— 12	— 2	4	—
19	1	4	7	5	4	0	3	3	7	— 3	5	2	—
20	0	2	0	0	— 3	— 4	— 7	— 11	— 10	— 5	4	5	—
21	1	2	1	1	— 1	1	1	0	0	13	— 15	— 3	—
22	— 3	— 1	— 6	— 3	— 4	— 3	— 4	— 4	0	7	8	10	—
23	— 1	1	4	3	6	— 1	— 5	— 12	— 12	— 4	0	5	—
24	— 1	— 2	— 4	— 3	— 3	— 6	— 7	— 11	— 11	— 10	— 3	— 2	—
25	— 2	— 1	— 1	3	1	— 2	— 4	— 13	— 15	— 11	— 7	2	—
26	5	2	5	4	5	13	18	22	10	1	0	— 28	—
27	4	12	8	7	4	9	12	5	— 3	1	4	2	—
28	— 1	— 2	— 3	— 3	— 1	1	2	4	2	4	10	13	—
29	0	0	— 2	— 1	1	— 5	— 9	4	— 9	— 8	— 1	11	—
30	— 2	— 5	— 9	— 10	— 6	— 3	— 5	— 4	7	9	12	10	—
31	— 2	3	1	— 1	— 3	— 7	— 11	— 6	— 7	0	0	4	—

Hourly Amount.	76	101	123	104	116	118	204	222	245	184	158	192	—
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Mean Batavia Time.	1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily Amount.
J A N U A R Y.	1	1	— 6	— 11	— 8	— 5	0	3	4	1	4	3	122
	2	— 1	— 3	— 11	— 13	— 7	1	2	— 4	— 3	— 4	— 4	92
	3	— 1	— 7	0	— 2	2	3	1	4	— 1	0	1	85
	4	3	12	10	0	1	— 1	0	0	0	0	2	58
	5	— 2	— 2	— 13	— 21	— 17	— 10	— 6	1	1	4	7	139
	6	2	2	— 2	— 2	2	— 2	2	0	— 2	2	— 1	66
	7	16	18	15	10	4	— 3	— 5	— 2	9	5	8	178
	8	6	6	18	20	19	4	— 4	— 25	— 12	— 14	— 4	220
	9	5	5	5	8	10	5	1	0	— 4	— 4	— 4	90
	10	12	2	0	— 4	1	2	0	— 1	2	8	5	110
	11	— 18	— 13	— 5	— 4	11	17	16	12	3	3	6	205
	12	4	10	5	1	— 2	— 11	— 12	0	— 5	— 4	— 4	150
	13	— 21	— 24	— 16	— 8	— 5	— 5	6	2	— 1	1	1	181
	14	— 5	— 10	— 9	— 3	2	2	3	4	1	2	5	100
	15	— 6	— 3	— 5	— 5	— 2	— 9	— 3	— 7	— 9	— 6	— 3	120
	16	0	— 2	3	9	4	— 3	— 5	— 8	— 8	— 1	4	75
	17	5	4	0	2	2	4	8	7	2	— 5	— 13	103
	18	17	14	15	18	6	1	4	5	5	— 1	3	166
	19	— 8	— 3	— 5	— 3	— 8	— 2	— 6	— 3	— 3	— 2	1	90
	20	5	5	3	2	4	4	— 1	— 5	— 1	0	— 2	85
	21	1	— 1	— 5	— 2	3	1	2	3	0	2	— 20	81
	22	— 2	1	3	7	8	6	3	— 1	1	2	6	99
	23	5	1	— 1	1	1	7	4	2	— 7	— 1	6	91
	24	5	15	13	14	4	4	— 2	— 1	— 1	— 4	— 2	129
	25	10	16	12	2	3	2	5	6	4	6	2	136
	26	— 10	— 8	— 1	— 22	— 35	— 42	— 12	— 14	— 4	— 1	6	276
	27	— 5	0	0	— 4	— 8	0	1	1	3	— 2	— 8	104
	28	— 1	— 10	— 6	2	— 6	— 3	— 1	1	0	4	4	90
	29	9	4	1	— 3	1	4	4	6	1	0	1	86
	30	1	— 3	1	0	0	— 1	0	2	3	4	5	104
	31	1	2	5	5	7	9	1	— 3	— 4	— 2	2	88

Hourly Amount.	188	212	199	205	190	168	123	134	101	100	127	129	3719
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VERTICAL FORCE. D.

DEVIATIONS. — UNITY = 0.00001 C. G. S.

Mean Batavia Time.		1 A.M.	2	3	4	5	6	7	8	9	10	11	12	—
JANUARY.	1	— 7	— 7	— 6	— 9	—10	— 7	— 8	—11	—10	— 8	— 6	— 4	—
	2	— 5	— 4	— 3	— 2	— 3	— 3	4	— 1	— 3	5	0	— 8	—
	3	0	— 1	— 4	— 5	— 6	— 3	— 9	— 7	0	6	8	0	—
	4	0	— 1	— 3	— 5	— 6	—10	— 8	10	8	— 1	—14	—16	—
	5	—	—	—	—	—	—	—	—	—	—	—	—	—
	6	—	—	—	—	—	—	—	—	—	—	—	—	—
	7	—	—	—	—	—	—	—	—	—	—	—	—	—
	8	7	7	7	7	9	6	2	— 8	—12	— 2	—16	—10	—
	9	— 4	— 3	3	3	3	6	8	— 3	8	6	7	8	—
	10	1	0	— 1	— 4	— 4	— 4	— 4	6	9	11	—11	—20	—
	11	2	1	1	5	11	14	8	3	7	2	2	8	—
	12	— 4	5	3	4	2	— 3	— 8	0	3	— 6	—10	1	—
	13	0	— 4	— 4	— 1	— 1	3	—16	—26	—20	—25	—11	5	—
	14	0	— 1	1	0	0	1	2	— 2	0	5	4	— 3	—
	15	1	3	3	5	8	13	13	13	16	4	5	—11	—
	16	— 2	— 1	— 1	— 1	0	2	7	7	7	12	— 3	—28	—
	17	— 5	— 3	1	2	1	6	12	17	9	2	1	— 2	—
	18	3	3	1	— 3	— 2	— 5	8	22	23	6	—14	—22	—
	19	— 1	— 2	— 5	— 3	0	— 2	— 3	— 1	— 6	5	4	6	—
	20	2	3	5	5	6	6	4	4	9	14	13	— 6	—
	21	4	4	2	2	2	— 1	1	2	0	— 9	— 3	4	—
	22	— 3	— 4	— 2	— 6	— 6	— 9	— 6	—10	—11	3	13	5	—
	23	— 6	— 6	— 8	— 5	— 6	— 4	3	2	7	10	13	4	—
	24	— 1	2	1	2	1	— 2	— 3	— 2	3	6	14	4	—
	25	3	1	— 1	— 1	— 2	— 2	— 2	— 5	0	11	1	— 6	—
	26	— 2	0	0	0	0	— 1	— 4	—13	— 3	2	— 7	17	—
	27	— 5	— 9	— 6	— 3	— 2	— 1	— 6	— 3	1	— 4	—16	— 7	—
	28	—	—	—	—	—	—	—	—	—	—	—	—	—
	29	—	—	—	—	—	—	—	—	—	—	—	—	—
	30	—	—	—	—	—	—	—	—	—	—	—	—	—
	31	— 4	— 7	— 7	— 5	— 3	1	9	6	2	— 4	— 7	— 5	—
Hourly Amount.		72	82	79	88	94	115	158	184	177	169	203	210	—
Mean Batavia Time.		1 P.M.	2	3	4	5	6	7	8	9	10	11	12	Daily Amount.
JANUARY.	1	1	15	22	25	20	9	5	1	0	1	— 3	— 6	201
	2	— 8	— 6	— 1	7	15	7	1	4	2	4	0	— 2	98
	3	— 1	— 9	— 7	2	8	8	6	4	4	2	0	— 2	102
	4	— 6	0	5	14	13	6	2	1	0	1	— 1	— 4	135
	5	—	—	—	—	—	—	—	—	—	—	—	—	—
	6	—	—	—	—	—	—	—	—	—	—	—	—	—
	7	—	—	—	—	—	—	—	—	—	—	—	—	—
	8	9	19	7	— 6	— 1	0	6	11	5	2	— 4	— 8	171
	9	— 7	—11	—10	— 7	—12	— 5	— 1	4	3	2	— 1	— 2	127
	10	—16	— 6	— 7	— 6	— 1	2	3	1	1	— 2	1	3	121
	11	26	30	8	—26	—37	—23	—11	— 6	0	— 2	— 1	2	236
	12	5	17	17	15	10	9	5	— 3	3	0	— 1	1	135
	13	18	18	11	— 1	— 6	— 3	— 6	— 2	0	0	— 3	— 4	188
	14	— 3	0	8	1	— 6	— 8	— 5	— 6	— 5	— 4	— 4	— 2	71
	15	— 7	— 4	— 9	—12	— 3	0	0	— 1	3	3	3	2	142
	16	—24	13	21	16	16	2	— 3	— 5	— 4	— 6	—10	—11	202
	17	—10	—17	—20	—14	— 5	— 7	— 3	— 3	— 1	4	8	3	156
	18	—13	— 5	1	5	3	3	— 2	— 5	— 1	2	0	0	152
	19	10	2	—13	—10	— 7	2	4	4	5	4	5	6	110
	20	—14	—16	—18	—20	—17	— 8	— 3	0	0	— 1	— 1	1	176
	21	4	2	10	9	3	5	6	2	2	— 1	— 5	— 6	89
	22	— 1	1	3	9	14	10	3	1	0	— 5	— 5	— 6	136
	23	— 2	— 4	— 7	0	0	— 2	— 3	— 2	3	0	— 2	— 2	101
	24	—12	—23	—12	— 1	4	— 4	6	5	2	4	3	— 2	119
	25	— 9	— 6	— 2	— 3	3	1	0	0	— 1	— 1	1	0	62
	26	7	6	8	19	24	21	0	— 1	— 3	— 6	— 8	— 9	161
	27	4	— 2	1	12	12	4	3	3	2	2	2	— 2	112
	28	—	—	—	—	—	—	—	—	—	—	—	—	—
	29	—	—	—	—	—	—	—	—	—	—	—	—	—
	30	—	—	—	—	—	—	—	—	—	—	—	—	—
	31	—12	— 4	1	— 1	— 1	4	5	9	8	4	0	— 2	111
Hourly Amount.		229	236	229	241	241	153	92	81	58	63	72	88	3417

EASTERLY DECLINATION. D.

DEVIATIONS — UNITY = 0'.1.

Mean Batavia Time.		1 A.M.	2	3	4	5	6	7	8	9	10	11	12	—
FEBRUARY.	1	5	4	2	4	5	10	10	4	—10	—13	—17	—18	—
	2	—6	—1	—1	0	0	—3	—4	—3	2	—1	—3	2	—
	3	1	2	3	5	5	5	4	4	—1	—5	—17	—25	—
	4	1	2	—2	0	0	11	11	1	—1	—5	—6	—4	—
	5	—4	—3	1	4	—2	—1	—5	—2	0	4	2	3	—
	6	1	0	2	0	0	4	—1	—8	—3	4	—1	—6	—
	7	—1	—2	—2	—3	—2	—2	—5	—5	0	8	9	1	—
	8	1	—2	0	—6	—6	—10	—2	2	8	13	14	10	—
	9	0	0	7	—2	—6	—3	—5	—6	3	7	4	4	—
	10	—4	—3	—4	—2	—4	—9	—13	—2	12	21	19	13	—
	11	4	4	2	3	0	6	4	—1	—4	—10	—16	—15	—
	12	—4	—4	—5	—6	—7	—9	—6	—2	7	17	22	10	—
	13	—3	—3	—3	—2	—4	—3	—9	—4	1	9	17	13	—
	14	2	2	—1	—3	—3	—8	—6	—11	—7	7	15	13	—
	15	2	—1	—1	0	—3	—6	—9	—9	0	7	12	8	—
	16	0	0	—3	—1	—3	—3	—8	—12	—10	2	4	9	—
	17	—1	—1	—5	—3	—3	—10	—12	—6	5	18	21	11	—
	18	—3	—2	—5	—4	—5	—11	—14	3	4	6	15	11	—
	19	—2	—3	—3	—4	—1	—9	—7	—10	9	12	19	22	—
	20	—3	—4	—4	—7	—3	—3	—1	—4	8	23	25	17	—
	21	—2	—2	—3	—2	—2	—2	—4	—6	—3	9	10	6	—
	22	—5	—5	—3	—6	—4	—6	—6	—1	13	19	21	13	—
	23	—2	—3	—3	—3	—7	—9	—4	4	10	15	15	15	—
	24	—4	—4	—11	—9	—5	—3	3	10	8	28	33	21	—
	25	3	4	3	4	0	—5	—10	—10	—7	4	4	2	—
	26	1	3	6	7	0	1	—1	—8	2	3	7	10	—
	27	1	3	2	0	1	—6	—5	—3	0	4	13	9	—
	28	1	4	—2	1	—1	—4	—8	—12	—5	8	16	16	—
	29	5	8	6	5	5	6	—2	—16	—23	—13	3	12	—
Hourly Amount.		72	79	95	96	87	168	179	169	166	295	380	319	—
Mean Batavia Time.		1 P.M.	2	3	4	5	6	7	8	9	10	11	12	Daily Amount.
FEBRUARY.	1	—21	—12	—2	5	6	2	8	9	7	5	6	3	188
	2	3	6	8	8	7	4	—5	—4	—5	—8	—3	—1	88
	3	—17	—8	0	1	7	9	2	1	1	0	0	—1	124
	4	—16	3	7	8	8	2	—1	—3	1	2	—12	1	98
	5	3	—1	—7	—5	—1	3	2	2	1	1	0	0	57
	6	—10	—11	0	8	10	5	5	4	1	4	0	1	89
	7	0	7	8	—1	—6	—7	—4	—5	—2	0	0	0	80
	8	6	2	5	0	—4	—7	—10	—2	—4	—2	—2	—2	120
	9	—1	—3	5	2	0	0	—1	2	1	2	1	—1	66
	10	6	—3	—10	—8	—4	—1	1	1	—1	3	3	3	150
	11	—5	—1	—4	0	4	0	4	8	6	4	2	—2	109
	12	8	7	8	7	1	—6	—9	—8	—7	—5	—5	—4	174
	13	8	1	1	—2	—1	—4	0	—1	2	—1	1	1	94
	14	5	0	—4	—9	—6	—3	—4	—2	1	1	3	2	118
	15	10	3	—1	—5	4	3	0	—2	3	1	0	1	91
	16	7	5	8	—1	—5	—3	—2	0	0	—2	—1	—1	90
	17	3	0	0	0	8	6	—2	—3	—3	—2	3	—2	128
	18	4	1	—1	—5	—1	2	4	—1	—1	0	—1	—4	108
	19	8	—2	—10	—12	—8	—1	—3	—3	—4	—3	—3	—2	160
	20	9	—2	—13	—10	—10	—5	1	—1	—1	—2	—2	0	158
	21	8	9	2	3	3	0	—1	—1	—3	—5	—3	—4	93
	22	5	—7	—15	—14	—7	4	0	0	0	—1	—1	—3	159
	23	4	—6	—9	—6	—5	—2	—2	—3	—2	3	—3	—4	139
	24	16	—6	—12	—8	—8	—10	0	—4	—6	—4	1	0	214
	25	—1	—4	—8	—4	1	2	2	3	—6	—1	0	3	91
	26	4	1	—8	—18	—12	2	0	—3	6	4	4	1	112
	27	1	—2	—4	—12	—15	—5	—2	0	5	3	4	3	103
	28	12	7	—3	—10	—8	—4	—4	—4	0	2	4	4	140
	29	10	7	2	—9	—12	—8	—8	—7	—5	—4	—5	0	181
Hourly Amount.		201	127	165	181	172	110	87	87	85	75	73	54	3522

HORIZONTAL FORCE. D.

DEVIATIONS. — UNITY = 0.00001 C. G. S.

Mean Batavia Time.	1 P. M.	2	3	4	5	6	7	8	9	10	11	12	—	
FEBRUARY.	1	— 1	— 2	— 2	— 2	— 6	— 6	— 3	— 5	— 9	—12	— 6	— 6	—
	2	19	— 1	1	12	16	16	11	13	6	1	1	— 7	—
	3	— 6	0	1	4	7	7	7	6	2	2	3	6	—
	4	9	2	4	— 4	— 1	— 3	— 4	0	3	0	— 2	— 9	—
	5	—12	— 4	— 3	6	12	9	9	7	0	— 1	4	10	—
	6	0	— 2	— 2	— 7	— 7	— 2	— 8	— 8	— 6	— 6	2	0	—
	7	0	2	— 6	— 5	— 2	— 2	6	— 4	— 6	1	— 1	— 2	—
	8	— 1	3	3	4	5	7	11	15	10	4	— 3	2	—
	9	6	1	12	1	6	2	4	3	— 1	— 1	— 6	—16	—
	10	— 2	0	2	0	— 1	1	8	15	11	6	1	— 1	—
	11	0	2	0	2	— 1	— 3	— 4	— 1	— 3	— 2	— 2	1	—
	12	— 2	0	— 1	— 1	1	1	1	10	13	9	4	— 3	—
	13	— 4	— 1	1	0	1	0	0	2	3	0	— 2	— 3	—
	14	— 5	— 4	— 2	— 2	— 3	— 1	0	3	4	3	6	2	—
	15	— 5	— 3	— 4	— 1	— 2	— 7	— 9	— 2	— 1	1	— 2	1	—
	16	— 1	0	— 1	1	— 3	— 3	1	2	2	— 2	0	2	—
	17	— 4	— 6	—15	—13	—13	— 7	— 5	5	8	— 2	— 3	— 1	—
	18	— 4	1	— 1	1	5	5	2	— 4	— 5	13	—11	6	—
	19	0	0	— 2	— 3	— 2	— 3	— 3	5	2	2	— 1	— 2	—
	20	1	11	2	— 2	— 9	— 9	—11	— 8	— 6	— 6	— 5	4	—
	21	1	1	— 4	— 1	— 5	— 5	— 5	— 3	— 2	— 3	— 2	3	—
	22	— 4	— 3	0	— 2	0	— 3	— 4	4	7	7	1	— 4	—
	23	— 5	— 3	— 2	— 6	— 3	3	6	3	7	— 3	8	2	—
	24	— 9	2	23	4	5	21	11	14	8	—15	—16	—12	—
	25	— 4	—12	9	6	2	3	5	3	5	0	1	— 5	—
	26	— 3	— 1	4	3	6	1	— 3	8	12	4	— 5	— 1	—
	27	12	— 2	— 4	1	— 5	— 8	— 4	— 4	— 4	— 4	1	1	—
	28	7	— 4	— 5	— 2	— 3	— 5	— 3	5	0	— 6	0	5	—
	29	0	— 3	— 2	— 1	— 3	— 2	0	3	2	— 1	— 6	— 8	—
Hourly Amount.	127	76	118	97	135	145	148	165	148	117	105	125	—	

Mean Batavia Time.	1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily Amount.	
FEBRUARY.	1	— 5	7	24	25	25	14	4	— 7	—16	— 8	— 8	— 5	208
	2	— 1	— 6	— 8	—18	—27	—28	—20	— 6	— 5	— 1	— 2	— 1	227
	3	7	2	— 2	— 2	— 1	1	4	3	4	5	3	4	89
	4	— 5	— 7	—12	—12	— 8	— 4	— 3	— 1	9	10	— 1	—17	130
	5	3	1	— 1	2	1	2	— 1	10	— 1	5	7	3	114
	6	7	— 1	3	5	9	9	1	4	2	— 4	— 2	— 1	98
	7	— 9	0	— 1	7	3	10	11	—13	— 6	—12	— 2	— 6	117
	8	— 6	— 1	—12	—16	—14	—12	— 7	7	9	8	12	6	178
	9	— 5	0	— 3	— 4	1	— 4	—19	—22	— 7	0	— 1	0	125
	10	— 3	— 2	— 6	— 4	— 4	4	6	4	3	0	1	— 4	89
	11	4	6	— 8	— 3	11	9	— 7	—11	— 9	— 3	0	1	93
	12	— 7	— 8	— 9	— 4	—12	— 1	4	4	3	— 2	8	2	110
	13	— 4	1	4	6	9	7	3	1	— 6	— 9	— 7	— 4	78
	14	— 3	— 3	1	2	6	7	5	3	0	— 2	— 2	— 3	72
	15	— 3	5	5	3	3	3	2	0	— 1	— 1	0	— 4	68
	16	8	6	3	5	10	9	8	2	0	0	— 5	— 7	81
	17	— 2	2	3	4	7	8	10	6	10	8	—13	0	155
	18	— 4	— 7	— 4	2	9	—14	— 6	2	— 2	— 5	— 5	— 4	122
	19	5	7	3	0	— 5	— 4	0	3	2	4	6	4	68
	20	8	5	3	— 2	1	5	0	1	— 1	3	— 1	— 4	108
	21	7	6	3	3	2	2	— 2	0	— 1	0	2	4	67
	22	— 4	— 9	— 3	— 1	1	7	11	7	0	— 3	— 5	—10	100
	23	— 3	6	10	10	12	1	3	9	11	—13	17	—10	156
	24	—51	—39	—15	—24	—33	2	2	16	24	24	—13	20	403
	25	—11	— 4	8	9	— 3	—22	— 8	— 3	11	4	—14	13	165
	26	0	— 3	— 5	— 7	— 2	6	2	6	— 3	3	— 3	— 3	94
	27	1	4	6	6	5	4	2	— 1	— 3	2	— 3	—10	97
	28	12	5	1	6	3	— 3	— 3	1	1	2	3	7	92
	29	— 4	— 3	— 7	— 2	0	— 1	0	—	—	—	—	—	48
Hourly Amount.	192	156	173	194	227	203	154	153	150	141	146	157	3552	

VERTICAL FORCE. D.

DEVIATIONS. — UNITY = 0,00001 C. G. S.

Mean Batavia Time.	1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—	
FEBRUARY.	1	— 4	— 5	— 7	—11	—13	—19	—15	— 6	5	8	17	7	—
	2	— 6	0	1	— 6	—10	— 9	— 9	—12	— 7	0	7	2	—
	3	2	— 4	— 7	— 7	— 9	— 7	—11	—15	— 7	0	— 2	— 3	—
	4	— 5	— 3	— 5	— 5	—11	—15	— 7	22	17	10	2	10	—
	5	6	1	0	— 3	— 6	— 6	— 4	— 4	— 6	—13	— 6	— 9	—
	6	— 1	1	3	4	7	— 2	9	17	11	7	7	15	—
	7	2	2	5	5	4	2	9	5	6	3	2	12	—
	8	— 2	— 1	— 1	0	0	— 4	—17	—20	—14	— 3	8	5	—
	9	— 8	— 5	—11	— 4	— 2	— 7	— 1	6	6	— 2	— 3	8	—
	10	3	3	4	4	6	8	3	— 5	— 6	— 7	0	5	—
	11	— 2	2	— 1	0	1	1	7	10	16	11	14	5	—
	12	2	3	3	4	2	4	— 3	— 9	—11	10	— 1	5	—
	13	5	6	2	2	0	2	3	7	— 1	1	0	1	—
	14	6	6	12	14	19	24	24	20	31	35	—19	— 7	—
	15	3	2	1	2	1	4	2	6	— 4	— 2	1	2	—
	16	0	1	1	0	2	1	8	14	9	4	5	— 3	—
	17	11	9	10	9	5	6	— 5	—16	—25	—14	— 1	11	—
	18	— 2	— 3	— 1	— 2	— 4	— 3	3	11	4	—15	3	2	—
	19	5	2	1	— 1	— 3	1	— 4	—12	—11	—12	—10	5	—
	20	— 1	— 3	— 1	2	4	0	— 3	— 1	—11	— 9	3	3	—
	21	— 1	2	3	4	8	7	6	12	3	—10	— 7	— 4	—
	22	0	0	1	— 1	1	2	— 2	—15	—15	— 7	3	10	—
	23	7	4	3	5	3	— 3	—10	—15	—15	— 5	0	3	—
	24	5	5	— 8	0	0	—10	— 9	— 9	1	0	11	5	—
	25	6	8	2	— 2	2	8	5	2	— 6	— 7	— 3	1	—
	26	— 1	1	— 1	3	1	5	11	5	— 9	— 6	5	0	—
	27	— 6	1	1	— 3	— 2	2	0	3	— 3	— 5	— 6	— 1	—
	28	— 2	4	5	5	6	7	1	— 3	— 5	— 9	— 8	2	—
	29	— 5	— 1	0	1	2	4	10	17	10	— 7	—17	— 8	—

Hourly Amount.	109	88	101	109	134	173	201	299	275	222	171	154	—
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Mean Batavia Time.	1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily Amount	
FEBRUARY.	1	3	— 3	— 8	— 1	6	6	5	9	11	8	9	7	193
	2	— 3	— 5	3	12	25	24	16	6	2	6	1	1	173
	3	0	— 8	—10	— 9	— 8	1	3	1	— 3	— 2	— 1	— 4	124
	4	16	12	13	15	12	6	— 1	— 2	—10	—10	6	11	226
	5	— 1	2	3	5	0	— 3	— 2	— 6	— 1	— 1	— 5	— 1	94
	6	2	—10	—24	—20	—11	— 4	2	1	3	3	4	2	170
	7	5	— 7	— 5	— 3	0	— 4	— 5	4	3	4	1	1	99
	8	3	6	8	17	22	14	10	— 3	— 5	— 6	— 7	— 7	183
	9	2	—11	—10	— 7	— 6	5	10	14	7	3	4	6	148
	10	1	3	3	1	— 4	— 9	—10	— 3	— 3	— 2	— 3	— 1	97
	11	—13	—11	— 9	—13	— 9	— 1	2	9	5	1	2	1	146
	12	11	2	— 5	— 2	0	3	— 1	— 3	— 1	4	4	4	97
	13	— 2	— 5	—10	—11	— 9	— 7	— 5	— 4	0	0	0	2	85
	14	— 2	—16	—31	—33	—27	—21	—13	—10	— 2	0	1	1	374
	15	5	4	— 1	— 3	— 4	— 2	— 1	0	— 1	0	0	1	52
	16	—10	—16	—11	— 3	— 3	— 7	— 7	— 3	3	3	4	6	124
	17	19	15	9	— 5	—13	—11	— 8	— 7	— 9	— 7	5	2	232
	18	4	1	— 6	— 3	3	6	2	— 2	0	0	3	0	83
	19	14	19	15	8	— 1	— 5	— 3	— 6	— 3	— 5	— 3	— 3	152
	20	8	17	19	12	5	— 1	0	— 1	2	1	3	3	113
	21	— 7	1	0	— 4	— 2	0	1	1	2	0	— 1	— 2	88
	22	3	8	7	— 2	—11	— 7	— 4	— 1	3	6	7	9	125
	23	5	5	3	0	— 3	— 4	— 3	— 4	— 6	2	— 5	2	115
	24	— 4	11	11	6	3	9	— 6	— 5	— 6	— 6	— 2	13	145
	25	3	2	— 6	— 8	— 5	3	4	1	— 5	0	8	— 8	105
	26	0	2	1	0	— 7	—16	— 4	— 2	1	1	3	3	88
	27	9	13	19	13	— 2	— 8	— 6	— 5	— 4	— 5	— 3	2	122
	28	2	—26	11	8	4	5	5	— 1	0	— 2	— 3	— 2	126
	29	— 2	— 2	— 2	— 3	— 4	— 8	— 6	— 3	2	0	— 5	— 7	126

Hourly Amount.	159	243	263	227	209	200	145	117	103	88	103	112	4005
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EASTERLY DECLINATION. D.

DEVIATIONS. — UNITY = 0'.1.

Mean Batavia Time.		1 A.M.	2	3	4	5	6	7	8	9	10	11	12	—
MARCH.	1	— 3	2	— 1	— 5	16	— 2	—10	— 9	6	14	21	27	—
	2	— 3	— 4	— 2	— 4	—15	—21	—16	— 7	12	20	11	12	—
	3	— 9	— 7	— 9	— 7	—11	—11	— 7	4	14	17	15	6	—
	4	— 2	— 3	— 2	— 5	— 6	— 8	—14	— 4	9	8	14	13	—
	5	— 1	— 4	— 5	— 7	— 6	— 9	—11	— 6	4	15	18	13	—
	6	— 1	— 3	— 4	— 4	— 4	—12	—19	— 1	6	11	16	22	—
	7	— 5	— 8	— 7	— 8	— 7	—13	—10	2	11	22	20	16	—
	8	— 3	— 9	— 1	—12	—15	0	— 6	— 1	9	19	17	10	—
	9	— 2	— 6	— 6	— 5	— 3	— 5	— 6	— 4	3	3	5	10	—
	10	— 5	— 5	— 6	— 5	— 3	— 1	— 2	— 8	0	1	12	13	—
	11	— 2	— 4	— 3	— 5	— 5	— 7	— 9	— 1	9	15	13	16	—
	12	— 6	— 8	— 8	— 8	— 7	—14	—11	5	23	27	26	25	—
	13	0	— 2	— 1	— 4	— 7	—13	—19	— 4	4	13	19	19	—
	14	2	— 3	— 2	— 1	1	— 4	— 7	— 6	— 5	— 1	— 5	— 3	—
	15	0	— 1	— 2	— 1	0	— 3	— 3	— 4	— 6	— 7	1	8	—
	16	6	3	4	2	2	— 3	1	2	— 2	— 9	— 9	— 5	—
	17	3	1	3	2	5	— 2	— 3	2	— 1	— 4	— 8	— 5	—
	18	— 3	— 3	— 2	— 1	— 1	— 1	0	0	0	— 1	2	12	—
	19	— 3	— 1	0	0	2	2	0	— 5	— 5	— 4	3	2	—
	20	— 2	— 3	— 3	— 7	— 7	— 2	10	2	2	— 1	1	2	—
	21	1	— 2	— 2	7	— 1	1	— 1	— 6	— 5	— 3	3	— 4	—
	22	3	7	2	0	1	4	— 2	— 4	1	0	— 7	— 7	—
	23	4	2	2	6	0	— 4	—17	— 7	0	— 1	2	— 1	—
	24	4	4	3	3	0	— 5	— 8	—11	— 1	0	1	— 5	—
	25	1	— 2	— 1	— 3	— 6	— 3	0	2	3	6	5	12	—
	26	3	3	2	2	— 2	— 1	— 1	— 3	1	— 1	— 2	3	—
	27	— 1	2	3	0	2	0	— 1	— 4	0	— 4	— 3	3	—
	28	— 1	0	1	1	— 2	— 1	0	1	1	— 1	3	14	—
	29	— 1	— 2	— 2	0	16	33	21	13	— 4	— 7	—11	— 4	—
	30	5	7	0	— 3	— 1	1	— 3	2	— 3	— 1	— 6	1	—
	31	— 5	3	0	5	6	3	4	1	— 2	— 8	13	— 6	—
Hourly Amount.		90	114	105	123	160	189	222	131	152	244	292	299	—

Mean Batavia Time.		1 P.M.	2	3	4	5	6	7	8	9	10	11	12	Daily Amount.
MARCH.	1	21	17	1	— 4	—12	— 8	— 4	— 5	1	— 3	— 1	— 8	201
	2	9	6	7	7	7	— 7	— 2	4	—10	1	— 2	— 3	192
	3	— 1	— 2	0	4	13	— 5	—19	1	4	1	0	— 3	170
	4	9	3	— 6	— 8	— 4	— 2	— 1	1	3	3	2	1	131
	5	8	1	0	— 2	— 2	— 3	— 3	1	2	2	1	— 1	125
	6	20	10	— 1	— 7	— 6	— 4	— 3	— 2	— 4	— 3	— 2	— 5	170
	7	9	3	1	2	6	— 3	— 4	— 3	2	0	— 3	— 2	167
	8	6	4	— 1	— 1	— 3	— 7	— 1	2	2	5	— 4	— 3	157
	9	13	7	9	— 1	— 5	— 1	0	2	0	— 2	— 2	— 4	104
	10	6	4	— 4	— 4	— 3	3	— 1	2	0	0	— 1	— 2	91
	11	8	2	— 2	— 5	— 3	0	1	0	— 2	— 5	— 6	— 6	129
	12	18	6	— 3	—14	—16	— 6	— 2	— 1	— 1	— 2	— 1	0	238
	13	15	9	— 3	— 6	— 4	— 1	1	2	0	0	2	2	150
	14	6	5	— 2	— 1	— 2	1	4	6	4	3	5	— 2	81
	15	7	7	— 2	— 8	— 8	— 4	2	4	4	3	2	2	89
	16	— 5	6	8	— 1	0	— 2	3	3	1	2	0	0	79
	17	1	1	— 2	— 2	2	1	2	3	2	1	— 3	— 3	62
	18	13	6	1	4	2	— 2	— 2	— 1	— 3	— 4	— 4	— 5	73
	19	5	— 1	— 1	1	3	0	4	3	0	1	— 2	— 2	50
	20	5	3	— 2	— 2	— 2	— 4	3	0	1	0	1	— 2	67
	21	— 3	— 5	0	— 3	1	3	— 1	2	3	7	1	7	72
	22	— 3	— 4	— 5	— 8	— 4	2	5	8	4	8	8	6	103
	23	— 5	— 3	— 4	— 3	3	10	9	— 1	— 3	3	2	5	97
	24	— 5	— 7	—10	—10	— 1	3	11	5	6	4	— 2	3	112
	25	11	8	— 4	—10	—11	— 7	0	— 4	— 3	— 1	0	3	106
	26	8	4	— 3	— 3	— 1	2	0	2	— 2	— 2	1	— 1	53
	27	5	3	0	— 4	— 4	—10	0	2	— 1	— 4	— 2	— 1	59
	28	19	16	5	— 1	— 2	— 8	—13	— 9	— 8	—10	— 8	—10	135
	29	5	— 4	— 1	— 7	5	— 5	— 2	— 1	— 1	— 4	— 1	1	151
	30	4	3	3	5	0	3	0	1	1	2	2	— 2	59
	31	— 4	— 1	7	7	2	— 2	— 1	0	1	0	2	2	85
Hourly Amount.		257	161	98	145	137	119	104	81	79	86	73	97	3558

HORIZONTAL FORCE. D.

DEVIATIONS. — UNITY = 0.00001 C. G. S.

Mean Batavia Time.	1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
M A R C H.	1	—	—	—	—	—	—	—	—	—	—	—	—
	2	—	—	—	—	—	—	—	—	—	—	—	—
	3	7	0	20	7	4	5	4	8	5	—1	—19	—17
	4	—3	17	—3	13	13	11	12	10	0	4	—16	—6
	5	—7	—8	—8	—8	—9	—9	—6	—9	—8	—9	—11	7
	6	—7	—8	—10	—10	—10	1	—7	—14	—2	1	4	9
	7	1	9	5	13	3	12	3	7	17	—1	4	—2
	8	5	14	—12	—13	7	8	—2	—5	—8	—10	—9	—6
	9	—10	—7	7	—3	1	3	5	8	7	5	—2	—11
	10	0	—4	—1	0	—3	—5	—6	—6	—12	—8	—11	—1
	11	—3	0	—3	—2	—4	—5	—6	—6	—5	—3	—5	—1
	12	—7	—7	—6	—7	—8	—8	—9	—6	—3	—2	—3	—2
	13	—4	—7	—6	—4	—5	—6	—10	—7	—3	0	5	7
	14	—1	2	—6	—8	—6	—2	—4	—8	0	1	—3	2
	15	—8	—12	—9	—8	—8	—2	0	2	4	8	2	5
	16	—3	—3	—7	—5	—6	—10	—12	—9	1	11	1	—5
	17	—1	—2	—7	—9	—6	8	4	—11	—7	—1	3	6
	18	—10	—10	—4	—3	—6	—4	—7	—10	—7	1	10	1
	19	—3	—2	—4	—1	—2	—7	—1	1	1	2	—2	3
	20	—7	—15	12	—5	—4	3	—6	6	13	—4	3	3
	21	5	—4	7	25	4	—3	—7	1	1	—3	—11	—4
	22	1	7	3	3	—2	7	4	—2	1	0	3	—
	23	10	13	11	9	11	9	9	5	0	—4	—7	1
	24	2	3	2	5	15	12	12	9	—2	—8	—14	—11
	25	—3	—1	2	—1	—1	—1	7	11	6	—2	—2	2
	26	—2	—3	—3	—6	—4	—5	2	10	1	7	—2	—4
	27	—5	—5	—6	—3	—4	6	1	7	4	2	—1	—6
	28	—7	—3	—4	2	6	2	0	2	2	12	19	15
	29	15	15	24	44	36	20	10	—9	—9	—14	—26	—30
	30	10	3	5	4	—3	—10	—4	—3	—1	—7	9	12
	31	5	—4	—5	—7	—4	—3	—8	—12	—10	—5	6	5
Hourly Amount.	152	188	202	228	195	182	171	206	141	137	210	187	—
Mean Batavia Time.	1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily Amount.
M A R C H.	1	—	—	—	—	—	—	—	—	—	—	—	—
	2	—	—	—	—	—	11	—12	11	—3	—4	—1	42
	3	—5	—1	1	—4	—43	—30	13	—6	—24	0	—1	20
	4	—3	—4	11	8	7	5	8	3	5	2	—2	—9
	5	14	17	13	13	11	—1	1	10	0	—2	—3	—8
	6	9	—10	—1	6	—1	—3	—1	0	—4	1	1	3
	7	—15	—21	—7	3	0	0	2	—3	—6	—9	—5	—14
	8	11	11	17	20	16	22	15	2	—11	—23	—21	—21
	9	—4	—4	—4	—13	—2	—3	2	4	6	12	7	5
	10	9	12	18	9	—1	—5	—2	0	2	3	—1	—4
	11	2	8	13	13	4	4	4	5	4	5	0	—7
	12	5	10	13	13	5	1	3	4	4	4	0	—3
	13	6	2	2	—1	—1	2	2	2	7	6	2	—1
	14	12	6	2	3	4	4	11	5	—3	—9	—5	—9
	15	4	2	5	11	3	4	4	3	5	4	4	0
	16	3	3	—5	0	—1	3	—2	4	4	—2	1	1
	17	6	12	11	10	7	7	3	5	3	1	3	—1
	18	2	1	—5	—10	—4	2	1	0	12	1	10	—5
	19	6	3	5	2	8	10	8	7	5	2	5	—2
	20	—25	—15	—8	—7	—1	3	—2	1	1	0	—6	14
	21	4	1	—1	1	0	—2	1	1	6	2	—2	—7
	22	—12	—27	—30	—20	—9	2	—5	—8	2	7	9	8
	23	1	1	4	0	—10	—27	—24	—10	10	—9	—7	—2
	24	—2	8	11	15	6	—5	—17	—8	—9	—4	—7	—5
	25	7	—3	6	7	7	—1	—11	—3	1	3	—1	—2
	26	—6	—5	—7	—1	5	3	5	1	7	6	—5	—8
	27	—5	—2	9	10	10	—9	—14	—9	3	3	4	7
	28	—7	—12	—19	—15	—16	4	9	8	9	12	12	25
	29	—41	—49	—66	—31	—13	—3	7	15	9	—5	—9	7
	30	15	9	7	7	1	—5	—8	—3	4	4	3	4
	31	14	8	0	—1	6	4	—4	—9	—7	1	7	0
Hourly Amount.	255	267	301	254	202	174	200	151	184	145	147	203	4682

VERTICAL FORCE. D.

DEVIATIONS. — UNITY = 0.00001 C. G. S.

Mean Batavia Time.	1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—	
M A R C H.	1	— 7	10	3	4	1	14	20	2	—12	0	— 2	11	—
	2	— 1	4	9	12	11	19	5	14	14	20	15	5	—
	3	3	5	— 6	— 2	— 2	— 4	— 2	0	— 1	5	9	5	—
	4	0	— 1	4	— 3	— 3	— 2	— 2	1	7	8	7	3	—
	5	4	5	4	0	— 3	— 1	— 6	2	0	3	9	5	—
	6	11	12	12	13	12	10	5	— 5	— 9	—10	— 6	— 5	—
	7	— 5	— 5	— 4	— 5	— 2	— 5	— 6	— 7	— 7	— 4	— 1	— 9	—
	8	— 4	— 7	— 4	6	0	— 5	1	2	1	— 1	2	8	—
	9	5	2	2	1	— 2	2	— 1	— 8	— 1	2	— 3	2	—
	10	0	1	1	1	1	4	6	1	1	— 5	— 3	0	—
	11	1	— 1	2	3	6	9	5	1	0	1	6	2	—
	12	1	2	0	2	1	5	— 1	—11	—15	— 9	3	3	—
	13	— 5	— 1	1	0	2	8	6	7	— 3	—17	—14	— 9	—
	14	— 2	— 2	3	4	5	8	16	25	23	15	11	— 7	—
	15	7	8	3	0	— 2	— 4	— 5	— 5	1	0	— 2	— 5	—
	16	1	1	2	0	2	7	5	2	5	— 7	1	— 1	—
	17	2	0	2	0	— 4	—10	— 3	— 1	1	— 1	— 1	— 1	—
	18	2	5	1	1	1	3	5	4	— 3	— 6	— 8	— 5	—
	19	— 2	— 2	— 2	— 4	— 2	0	— 2	—12	— 7	— 2	— 1	9	—
	20	2	4	—10	— 6	— 5	—12	— 9	— 7	—11	— 5	— 3	1	—
	21	— 3	5	2	— 7	1	6	10	— 3	—10	— 3	— 2	4	—
	22	1	0	— 1	1	3	3	5	5	3	0	— 3	— 9	—
	23	— 4	— 3	0	3	3	6	8	9	2	— 6	— 1	— 4	—
	24	— 2	— 1	1	0	— 3	5	6	5	3	— 3	— 6	— 6	—
	25	— 3	— 2	— 5	— 1	— 2	— 5	— 9	— 6	— 9	2	1	— 4	—
	26	1	0	— 1	1	1	1	— 5	— 6	— 4	— 6	— 3	— 1	—
	27	0	— 3	— 4	— 4	— 4	— 4	— 1	1	— 4	— 7	— 4	— 2	—
	28	— 6	— 4	— 1	— 3	— 3	1	2	25	16	12	— 2	—14	—
	29	— 2	— 2	— 8	—14	—12	— 4	11	22	27	13	5	—10	—
	30	— 5	0	0	1	4	6	— 1	1	— 2	0	—10	—12	—
	31	0	2	0	1	— 1	1	4	9	3	5	3	4	—
Hourly Amount.	92	100	98	103	104	174	173	209	205	178	147	166	—	
Mean Batavia Time.	1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily Amount.	
M A R C H.	1	3	8	— 2	— 1	— 4	— 8	—10	—10	— 5	— 7	1	—19	164
	2	— 6	—15	—17	— 6	— 2	— 1	—15	— 4	—12	— 6	— 2	1	216
	3	— 3	— 5	— 6	— 7	12	9	— 5	— 1	5	— 2	— 2	— 6	107
	4	— 7	— 5	— 8	—11	—10	— 5	— 5	— 1	— 4	0	2	5	104
	5	— 1	—10	— 9	— 8	— 7	— 4	— 3	— 1	1	1	2	9	98
	6	0	11	7	2	4	4	5	2	2	— 1	— 5	— 5	158
	7	11	9	6	3	2	5	1	3	4	3	1	4	112
	8	— 1	— 3	— 8	—12	—11	— 9	— 8	3	9	11	11	9	136
	9	3	3	8	13	4	— 3	— 6	— 5	— 2	— 5	— 1	1	85
	10	4	4	— 4	— 2	2	0	0	— 1	— 1	0	3	4	49
	11	2	0	— 7	— 8	— 4	— 4	— 2	— 3	— 2	— 3	— 1	3	76
	12	3	9	14	7	8	0	— 1	— 3	— 4	— 6	— 4	— 1	113
	13	2	9	5	1	2	— 3	— 3	— 3	— 7	— 7	— 7	— 7	129
	14	—16	— 9	— 2	— 8	—10	—14	—13	— 8	0	5	7	7	220
	15	— 7	2	3	— 1	4	— 2	1	— 1	— 2	0	2	2	69
	16	0	2	3	3	1	— 5	— 3	— 4	— 4	— 2	1	0	62
	17	4	7	5	— 1	— 2	— 3	— 1	— 1	2	6	6	7	71
	18	4	10	15	9	4	— 2	— 5	— 4	— 5	— 5	— 4	— 1	112
	19	2	10	15	11	5	1	1	— 1	— 2	— 4	— 3	— 2	102
	20	24	19	12	9	4	3	4	2	— 2	— 2	1	— 4	161
	21	4	2	1	— 1	— 3	— 2	0	— 4	— 6	— 5	— 1	0	85
	22	— 6	4	15	5	0	— 8	— 3	1	— 3	— 3	— 1	— 2	85
	23	— 2	— 5	— 4	— 1	5	8	5	0	— 7	— 1	— 3	— 4	94
	24	— 7	— 2	3	— 6	0	0	5	1	0	0	— 1	— 4	70
	25	— 3	4	6	6	8	3	6	3	0	— 3	0	0	91
	26	5	11	13	5	— 3	— 2	— 1	0	0	0	2	1	73
	27	1	5	1	0	2	10	13	4	3	4	1	— 2	84
	28	—19	—19	— 5	2	6	— 2	— 4	— 4	— 2	— 1	— 4	— 8	165
	29	— 3	12	14	5	— 4	— 9	— 8	— 6	— 2	9	10	0	212
	30	— 4	1	3	5	6	5	4	— 2	— 4	— 4	— 4	0	84
	31	0	— 6	—10	— 9	— 6	— 1	1	3	1	0	0	4	74
Hourly Means.	157	221	231	168	145	135	142	89	103	106	93	122	3461	

EASTERLY DECLINATION. D.

DEVIATIONS. — UNITY = 0'.1.

Mean Batavia Time.	1 A.M.	2	3	4	5	6	7	8	9	10	11	12	—	
A P R I L.	1	4	10	7	9	12	9	8	7	2	—6	—15	—26	—
	2	3	3	4	9	8	5	—1	—6	—8	—4	0	—3	—
	3	—1	1	1	—2	—4	0	—1	1	—8	2	1	4	—
	4	1	—1	—1	—1	—3	—3	0	—5	—5	—6	0	1	—
	5	—2	—4	—4	—4	—4	—1	2	3	4	2	1	0	—
	6	—1	—2	—1	—3	—2	—3	—4	—10	—5	—2	3	—1	—
	7	0	—2	1	1	3	3	—3	—8	—7	—9	—6	—4	—
	8	0	1	1	4	3	2	1	—3	—6	—6	0	—3	—
	9	1	1	4	3	3	0	—3	—4	—3	—6	—4	—7	—
	10	—2	2	0	—1	—2	1	—2	—6	—5	—1	4	4	—
	11	4	4	—3	—11	—7	—12	0	17	3	1	—1	—9	—
	12	—2	1	4	3	1	0	—5	—13	—8	—3	8	9	—
	13	—1	1	2	—1	—3	—2	—1	—1	0	—1	2	4	—
	14	—2	—3	—1	—4	—4	—4	—3	—2	10	4	4	3	—
	15	—3	—1	—2	—1	—2	2	5	2	—7	—5	—3	—1	—
	16	4	7	10	4	3	1	—1	4	—3	2	—3	—8	—
	17	0	1	3	2	1	5	9	7	—7	—8	—3	—10	—
	18	—2	8	6	5	6	10	7	4	—5	2	—4	—9	—
	19	1	—2	2	7	8	11	12	11	—3	—13	—10	—4	—
	20	4	4	7	7	15	9	27	15	—2	—17	—30	—32	—
	21	—1	—3	4	6	9	17	27	18	5	—6	—15	—18	—
	22	3	4	9	9	8	15	18	11	5	—7	—18	—24	—
	23	2	1	3	4	3	8	10	7	—3	—9	—9	—14	—
	24	—1	—1	2	—1	—2	—2	2	9	9	6	7	5	—
	25	—4	2	3	15	19	36	30	29	5	2	—15	—30	—
	26	1	1	2	4	4	5	2	—4	—9	—5	—2	—4	—
	27	3	9	—2	2	6	20	23	18	11	—2	—13	—23	—
	28	2	2	2	1	3	3	5	—9	—5	1	—2	—4	—
	29	2	0	—1	0	—1	2	—1	—4	0	—3	—3	—3	—
	30	—1	—1	—1	0	1	9	15	10	2	—8	—16	—10	—
Hourly Amount.	58	83	93	124	150	200	228	248	155	149	202	277	—	
Mean Batavia Time.	1 P.M.	2	3	4	5	6	7	8	9	10	11	12	Daily Amount.	
A P R I L.	1	—22	—16	—8	2	2	1	1	3	7	5	4	4	190
	2	—5	—6	—3	—2	0	—2	3	3	1	3	0	2	84
	3	5	4	2	—1	0	2	3	3	—2	0	2	3	53
	4	—1	—2	2	0	3	7	5	5	—2	—2	—2	—1	59
	5	—4	—1	7	10	4	7	2	2	3	1	—2	—1	75
	6	—2	3	4	7	8	2	2	2	3	0	—1	1	72
	7	0	4	2	3	3	3	—1	0	1	1	1	1	69
	8	—1	1	4	—1	—2	—1	2	3	2	3	4	4	58
	9	—8	—5	—4	0	1	6	2	2	4	2	2	3	78
	10	3	4	6	2	—9	—3	—5	—1	6	2	3	5	79
	11	—4	10	9	—4	—2	3	5	10	—4	—2	1	—1	127
	12	4	1	—2	—2	—1	—2	0	1	3	—3	—3	—2	81
	13	1	—1	0	2	2	3	3	—3	—2	—1	0	—1	38
	14	5	5	5	4	0	0	1	—2	—4	—1	—3	—3	77
	15	1	1	2	—3	3	—3	1	—5	0	0	0	2	55
	16	—13	—7	—1	2	4	1	0	—3	1	2	2	2	88
	17	—10	—8	1	3	3	5	5	2	1	1	—2	—5	102
	18	—10	—13	—9	7	5	4	3	—28	0	0	0	1	148
	19	—7	2	3	5	1	—2	—5	—3	0	0	1	3	116
	20	—24	—18	1	8	7	4	—1	—2	—4	—2	—2	—2	244
	21	—9	—2	2	5	0	—5	—5	—2	—5	—2	1	2	169
	22	—24	—17	—8	6	9	2	0	2	2	2	3	2	208
	23	—10	—3	3	7	2	—3	—2	—2	—2	—1	—2	—2	112
	24	—6	—2	6	9	2	—11	—12	—15	—10	—11	—8	—4	143
	25	—19	—7	—3	—1	—7	2	—2	—3	—2	0	2	2	240
	26	—6	—6	—1	3	—2	6	—1	0	—2	—2	1	6	79
	27	—22	—23	—13	—7	—1	6	—1	1	0	3	4	4	217
	28	—4	1	5	4	4	3	—1	0	—2	—1	0	2	66
	29	0	4	4	7	2	4	—1	—3	—3	—2	0	0	50
	30	—6	—5	—1	3	1	1	—2	0	2	1	3	—2	101
Hourly Amount.	236	182	121	120	90	104	79	112	79	56	59	73	3278	

HORIZONTAL FORCE. D.

DEVIATIONS. — UNITY = 0.00001 C. G. S.

Mean Batavia Time.	1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—	
A P R I L.	1	0	1	3	— 1	1	7	2	— 4	— 1	— 4	— 5	— 1	—
	2	— 1	0	— 4	2	5	3	2	6	10	8	— 3	—	
	3	0	0	— 3	— 4	— 1	— 2	6	11	18	3	10	—	
	4	— 1	— 2	— 3	— 4	— 4	— 7	— 10	— 10	— 7	10	0	—	
	5	— 1	5	— 1	— 3	— 2	— 2	2	4	— 2	0	— 1	—	
	6	— 1	2	3	2	0	0	— 4	— 5	— 6	3	8	7	—
	7	— 1	— 2	— 6	— 4	— 2	1	— 3	— 7	— 8	— 5	6	3	—
	8	— 4	— 1	— 2	— 1	— 2	— 4	— 5	— 3	0	7	7	9	—
	9	1	— 7	— 11	— 9	— 6	— 9	— 7	— 5	— 5	— 5	— 5	— 2	—
	10	— 5	— 1	— 4	— 3	— 2	— 3	— 2	— 4	— 6	— 2	0	— 1	—
	11	11	2	10	7	17	16	— 3	— 5	5	— 3	11	— 2	—
	12	7	18	7	8	6	4	4	5	1	1	18	7	—
	13	— 1	1	0	1	0	— 4	— 4	— 4	0	3	— 3	0	—
	14	1	1	— 2	— 5	— 5	— 3	— 4	— 6	— 16	0	7	10	—
	15	3	— 7	6	5	4	2	17	0	— 9	— 16	— 10	— 3	—
	16	1	3	7	1	— 1	1	— 2	— 1	— 1	— 19	— 6	0	—
	17	1	1	0	2	2	— 1	7	1	7	1	— 15	— 18	—
	18	5	— 1	4	8	8	7	18	3	13	6	— 3	5	—
	19	1	5	4	1	1	3	8	1	4	5	— 4	— 15	—
	20	11	10	0	13	8	8	5	12	12	2	6	— 3	—
	21	10	10	4	2	5	2	— 3	1	0	— 4	9	11	—
	22	4	3	1	6	— 4	— 3	— 3	— 3	— 12	— 1	4	6	—
	23	1	— 1	— 4	— 2	— 1	— 5	8	7	— 3	0	— 3	— 6	—
	24	— 1	— 1	— 4	— 2	— 1	— 2	4	12	— 1	4	— 9	— 7	—
	25	10	24	20	17	1	5	32	11	18	— 17	— 24	— 31	—
	26	8	8	5	8	6	5	8	7	7	7	2	— 3	—
	27	— 7	1	23	2	9	— 2	— 1	— 1	0	8	3	0	—
	28	1	— 1	— 5	— 5	— 7	— 3	— 1	— 3	2	7	5	— 3	—
	29	— 1	0	— 4	5	7	— 2	11	— 3	— 8	— 4	1	— 1	—
	30	0	— 5	— 8	— 6	— 9	— 6	1	4	6	6	6	— 3	—
Hourly Amount.	100	124	158	139	127	122	187	149	188	165	205	171	—	
Mean Batavia Time.	1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily Amount.	
A P R I L.	1	— 1	— 4	— 1	— 1	0	0	— 2	— 3	— 7	— 1	— 5	— 4	59
	2	— 11	— 12	— 10	— 4	1	6	2	1	— 1	— 5	— 1	— 5	113
	3	— 12	— 3	— 3	1	2	— 1	1	3	4	2	2	2	102
	4	7	— 3	— 2	— 2	2	5	— 4	— 5	2	6	1	— 1	105
	5	0	— 8	— 2	— 8	— 2	— 3	— 6	1	1	— 3	2	— 1	64
	6	6	10	0	8	5	— 5	— 9	— 5	— 3	— 2	0	— 2	96
	7	6	6	5	2	— 1	8	8	8	4	3	— 2	— 3	104
	8	— 2	— 3	— 5	— 4	— 2	4	6	2	2	0	— 2	— 4	81
	9	3	9	15	7	5	4	5	6	6	4	— 2	1	139
	10	— 7	— 7	— 4	— 2	39	10	20	16	— 3	— 19	— 9	— 2	171
	11	— 4	— 13	— 35	— 32	— 26	— 17	— 30	— 26	8	13	10	10	316
	12	— 17	— 21	— 9	— 2	0	6	12	4	— 6	— 2	— 1	— 1	167
	13	2	6	5	— 1	— 3	— 3	— 5	1	5	4	7	6	69
	14	12	16	12	3	2	2	— 1	0	2	— 1	6	9	126
	15	— 5	— 7	— 10	— 11	1	1	— 4	— 7	— 9	— 6	— 2	3	148
	16	13	20	17	10	— 2	7	— 3	0	— 2	— 7	— 6	— 4	134
	17	— 2	13	8	10	2	— 7	— 16	— 12	1	1	8	2	138
	18	— 22	— 10	— 8	— 13	— 17	— 2	— 5	18	— 14	— 12	— 10	2	214
	19	— 1	— 2	— 33	— 14	— 1	3	— 2	— 8	— 3	8	8	16	151
	20	— 12	— 22	— 30	— 21	— 12	— 18	— 3	2	3	26	6	6	251
	21	1	— 6	— 4	— 11	— 1	0	— 3	— 4	— 3	— 3	— 5	1	103
	22	4	6	2	— 2	— 4	— 2	0	0	— 2	— 5	— 3	5	85
	23	— 1	6	4	1	3	8	6	— 1	— 3	— 7	— 1	1	83
	24	— 3	9	4	2	3	12	10	2	— 10	1	6	0	110
	25	— 47	— 35	— 41	— 27	— 12	— 23	— 28	— 9	5	10	13	13	473
	26	1	6	7	4	2	— 3	— 2	— 7	— 16	— 10	— 6	6	144
	27	— 2	— 4	— 5	— 6	— 7	— 2	4	4	3	— 4	— 5	— 5	108
	28	— 6	2	4	2	3	1	1	— 3	— 4	— 2	4	— 3	78
	29	— 1	2	5	1	— 1	— 2	— 3	1	2	— 2	1	— 9	77
	30	— 7	— 1	3	3	4	8	17	16	15	11	2	6	153
Hourly Amount.	218	272	293	215	165	173	218	175	149	180	136	133	4162	

VERTICAL FORCE. D.
DEVIATIONS. — UNITY == 0.00001 C. G. S.

Mean Batavia Time.	1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—	
A P R I L.	1	2	1	1	5	5	3	6	2	1	3	2	— 1	—
	2	3	0	3	— 1	— 5	— 2	— 5	— 8	— 12	— 8	0	8	—
	3	1	2	3	4	2	0	— 1	— 10	— 15	— 2	— 3	— 11	—
	4	3	3	5	6	6	4	3	0	1	— 7	— 10	2	—
	5	2	0	0	2	1	1	— 3	1	5	4	— 2	0	—
	6	0	— 1	— 1	1	3	3	4	0	— 5	— 10	— 11	— 3	—
	7	— 1	— 2	3	1	1	4	8	8	9	3	— 2	— 2	—
	8	0	0	2	2	2	3	6	6	— 3	— 5	0	— 2	—
	9	— 2	2	6	6	5	8	9	14	3	5	6	1	—
	10	5	— 2	5	6	5	8	8	4	5	4	2	— 5	—
	11	— 2	— 2	— 5	— 5	— 5	— 13	— 1	9	9	7	— 10	— 2	—
	12	— 1	— 10	— 6	— 4	— 5	— 3	— 4	0	2	— 1	— 20	— 13	—
	13	1	— 3	— 4	— 4	— 5	— 6	— 10	— 8	— 3	— 3	5	9	—
	14	1	3	3	4	4	4	1	— 9	0	8	3	— 1	—
	15	2	4	— 1	— 1	1	0	— 8	— 4	7	10	7	2	—
	16	5	1	— 4	— 3	— 3	— 6	— 9	— 6	— 6	7	3	7	—
	17	— 3	0	3	3	5	5	0	— 5	— 2	— 4	3	4	—
	18	— 2	0	— 2	— 4	— 2	— 3	— 3	3	2	— 4	10	6	—
	19	3	2	2	2	3	— 1	— 1	— 10	5	0	— 2	2	—
	20	— 9	— 7	— 2	— 7	— 6	— 8	2	10	15	13	2	1	—
	21	— 6	— 6	— 2	— 1	— 4	— 5	— 2	1	3	0	— 2	— 9	—
	22	— 4	— 3	— 2	— 4	1	— 2	1	8	16	13	10	9	—
	23	0	2	2	2	1	0	— 10	— 11	— 1	— 2	8	16	—
	24	4	3	5	6	6	4	3	— 9	— 15	— 3	7	6	—
	25	— 3	— 9	— 5	— 1	7	0	— 3	16	16	20	12	10	—
	26	— 3	— 5	— 6	— 6	— 9	— 9	— 8	— 3	— 3	— 2	6	8	—
	27	— 4	— 9	— 14	— 5	— 6	— 5	2	1	2	1	2	4	—
	28	1	0	0	0	0	— 4	— 8	5	2	4	4	10	—
	29	1	1	2	— 4	— 8	— 2	— 9	— 5	— 2	4	4	4	—
	30	1	4	2	0	— 2	— 10	— 10	— 4	2	8	9	8	—

Hourly Amount.	75	87	101	100	118	126	148	180	172	165	167	166	—
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Mean Batavia Time.	1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily Amount.	
APRIL.	1	— 5	— 5	— 12	— 8	— 7	— 6	— 3	— 1	1	5	5	4	94
	2	9	9	9	9	4	— 1	— 1	— 3	0	1	1	2	104
	3	10	8	12	2	— 1	— 1	— 3	— 1	— 3	— 2	— 3	— 1	101
	4	3	9	2	— 3	— 3	— 4	3	1	— 1	— 6	— 5	— 3	93
	5	0	— 1	— 4	3	6	3	3	1	1	2	— 2	— 1	48
	6	3	0	0	— 5	0	5	4	3	0	— 1	— 4	— 4	71
	7	— 4	— 2	— 3	0	— 1	— 6	— 3	— 7	— 3	— 1	0	0	4
	8	— 2	2	5	7	7	3	— 1	— 3	— 3	— 1	1	3	69
	9	— 5	— 13	— 15	— 5	— 1	— 3	— 3	— 5	— 5	— 3	— 3	— 1	129
	10	— 7	— 4	— 4	— 4	— 16	— 5	— 12	— 5	2	15	7	— 2	142
	11	— 9	— 6	13	18	14	1	7	6	— 1	— 4	— 4	0	153
	12	— 6	5	7	11	7	1	— 2	0	5	8	4	2	127
	13	5	6	2	4	7	4	5	8	7	2	1	4	116
	14	— 1	— 6	— 7	0	2	— 3	— 2	— 4	— 2	— 1	— 5	— 7	81
	15	— 4	— 6	— 7	— 6	— 6	— 2	— 1	4	4	4	1	— 1	93
	16	4	— 1	0	5	7	— 2	2	2	— 3	4	5	4	99
	17	— 1	— 10	— 3	— 5	— 2	3	6	3	— 3	— 4	— 7	— 2	86
	18	9	— 1	— 9	— 9	— 2	2	1	7	1	8	8	4	102
	19	— 4	— 2	19	11	10	8	4	5	2	— 7	— 8	— 12	125
	20	— 5	— 7	— 7	— 1	5	10	3	3	4	— 10	1	2	140
	21	— 6	— 8	— 9	— 4	0	— 5	3	3	1	1	2	— 4	87
	22	3	— 16	— 17	— 17	— 4	2	3	2	6	7	5	1	156
	23	11	1	— 9	— 7	1	— 2	1	2	4	5	3	4	105
	24	4	— 7	— 11	— 8	— 1	0	0	0	4	1	— 5	1	113
	25	— 6	— 13	— 12	— 6	— 5	5	12	5	1	0	— 1	— 2	170
	26	6	3	2	3	6	5	9	6	11	7	1	— 11	138
	27	— 3	— 4	— 4	— 8	— 5	— 1	2	2	2	6	5	4	101
	28	5	— 2	— 6	— 3	— 1	2	2	3	6	7	1	0	76
	29	— 1	0	— 3	4	4	2	2	0	— 3	— 2	— 1	2	70
	30	4	2	— 6	— 3	— 4	— 7	— 8	— 8	— 10	— 4	1	— 1	118

Hourly Means.	145	159	219	179	139	104	111	103	99	129	100	89	3181
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EASTERLY DECLINATION. D.

DEVIATIONS. — UNITY = 0'.1.

Mean Batavia Time.	1 A.M.	2	3	4	5	6	7	8	9	10	11	12	—	
M A Y.	1	— 6	—11	— 6	—15	—10	—13	—21	—16	— 1	5	13	22	—
	2	— 0	— 5	— 3	— 0	— 1	— 4	—21	—13	—12	—12	— 6	— 0	—
	3	— 4	— 2	— 0	— 0	— 0	— 0	—11	—17	—14	—11	— 5	— 1	—
	4	— 1	— 2	— 3	— 3	— 3	— 6	—10	—11	—19	— 7	— 4	— 8	—
	5	— 0	— 0	— 0	— 3	— 3	— 5	— 7	—16	—12	— 3	— 3	—10	—
	6	— 3	— 3	— 2	— 1	— 1	— 1	— 8	— 6	— 7	— 6	— 4	— 3	—
	7	— 4	— 4	— 4	— 2	— 2	— 3	— 2	— 8	— 5	— 8	— 4	— 6	—
	8	— 3	— 2	— 1	— 1	— 1	— 5	—11	— 9	— 5	— 3	—13	—11	—
	9	— 2	— 1	— 1	— 1	— 1	— 3	—12	—12	—11	— 6	— 6	— 3	—
	10	— 2	— 2	— 2	— 3	— 2	— 4	— 5	— 6	—10	— 5	— 4	— 2	—
	11	—10	— 7	— 3	—11	— 2	— 5	— 5	—11	—12	— 4	— 4	— 2	—
	12	— 1	— 1	— 4	— 3	— 5	— 1	— 1	— 5	— 9	—10	— 4	— 2	—
	13	— 2	— 2	— 2	— 7	— 4	— 4	— 1	— 8	— 9	— 4	— 2	— 4	—
	14	— 1	— 0	— 3	— 2	— 3	— 1	— 2	— 1	— 2	— 8	— 5	— 0	—
	15	— 2	— 2	— 2	— 0	— 2	— 1	— 2	— 9	—13	— 2	— 3	— 9	—
	16	— 0	— 1	— 0	— 0	— 2	— 5	—11	—13	—12	— 2	— 5	—11	—
	17	— 1	— 1	— 0	— 2	— 2	— 0	— 2	— 7	— 7	— 3	— 5	— 0	—
	18	— 1	— 1	— 3	— 4	— 5	— 6	— 2	— 1	— 1	— 4	— 6	— 3	—
	19	— 1	— 1	— 1	— 2	— 1	— 4	— 6	— 3	— 6	— 3	—10	— 6	—
	20	— 0	— 1	— 3	— 4	— 4	— 2	— 2	— 2	— 2	— 0	— 2	— 1	—
	21	— 3	— 2	— 3	— 1	— 1	— 0	— 0	— 2	— 0	— 4	— 7	— 5	—
	22	— 4	— 3	— 3	— 1	— 2	— 0	— 6	— 7	— 7	— 5	— 5	— 8	—
	23	— 2	— 0	— 3	— 0	— 2	— 2	— 5	— 6	— 5	—11	— 2	— 6	—
	24	— 1	— 0	— 1	— 0	— 0	— 3	— 6	— 2	— 0	— 2	— 2	— 3	—
	25	— 1	— 2	— 1	— 1	— 1	— 1	— 1	— 2	— 6	— 3	— 1	— 3	—
	26	— 3	— 1	— 1	— 0	— 0	— 2	— 0	—10	—13	— 7	— 1	— 7	—
	27	— 0	— 2	— 2	— 3	— 4	— 4	— 1	— 1	— 1	— 3	— 3	— 2	—
	28	— 5	— 1	— 5	— 5	— 4	— 5	— 1	— 0	— 0	— 2	— 1	— 3	—
	29	— 5	— 3	— 3	— 1	— 0	— 2	— 5	— 2	— 1	— 0	— 0	— 4	—
	30	— 5	— 6	— 4	— 4	— 3	— 1	— 4	— 2	— 1	— 2	— 3	—14	—
	31	— 1	— 3	— 4	— 1	— 0	— 2	— 0	— 0	— 1	— 2	— 2	— 2	—
Hourly Amount.	74	72	73	81	71	95	171	208	204	147	135	161	—	

Mean Batavia Time.	1 P.M.	2	3	4	5	6	7	8	9	10	11	12	Daily Amount	
M A Y.	1	31	24	12	3	6	12	5	— 2	3	— 5	— 2	— 4	248
	2	— 1	— 4	— 2	— 1	4	5	7	8	9	8	8	7	141
	3	— 3	— 2	— 1	— 0	4	8	6	7	9	7	5	2	119
	4	— 5	— 9	—11	— 4	2	1	5	2	2	2	1	1	122
	5	— 7	— 6	— 4	— 1	8	3	— 1	1	— 3	— 1	— 2	— 2	101
	6	—11	—12	— 7	— 2	— 2	2	2	2	4	1	— 1	— 5	96
	7	— 0	— 1	— 3	— 3	— 0	5	3	7	2	6	7	5	94
	8	— 2	— 0	— 6	— 0	2	9	4	6	7	7	7	5	120
	9	— 7	— 9	— 5	— 1	1	2	4	6	7	5	3	— 2	111
	10	— 7	— 4	— 7	— 6	— 0	1	1	0	4	— 4	— 3	— 1	85
	11	— 2	— 2	— 3	— 3	— 0	— 1	1	5	2	6	6	— 1	108
	12	— 4	— 9	—10	— 7	— 2	— 3	— 2	1	2	1	— 3	— 2	92
	13	— 3	— 6	— 1	— 2	— 1	— 3	— 1	— 1	0	1	— 2	— 1	71
	14	—11	— 8	— 5	— 2	— 1	— 2	— 1	2	1	3	— 0	— 0	64
	15	— 9	— 9	— 4	— 1	— 3	— 0	— 1	1	3	— 1	— 4	— 1	84
	16	—14	— 9	— 3	— 0	— 3	— 0	— 0	1	— 3	— 4	— 2	— 2	103
	17	— 5	— 6	— 6	— 4	— 1	— 1	— 0	— 4	— 1	— 1	— 0	— 0	59
	18	— 2	— 3	— 2	— 1	— 2	— 1	— 1	— 1	— 3	— 2	— 1	— 1	57
	19	— 1	— 0	— 3	— 1	— 5	— 3	— 2	— 1	— 1	— 0	— 2	— 2	65
	20	— 3	— 3	— 1	— 1	— 2	— 6	— 4	— 4	— 2	— 2	— 4	— 3	58
	21	— 2	— 0	— 3	— 5	— 4	— 1	— 3	— 6	— 2	— 6	— 6	— 6	72
	22	— 5	— 3	— 4	— 1	— 6	— 2	— 5	— 1	— 6	— 6	— 3	— 1	94
	23	— 3	— 1	— 4	— 4	— 5	— 1	— 0	— 5	— 4	— 2	— 2	— 0	75
	24	— 2	— 2	— 0	— 1	— 1	— 1	— 2	— 4	— 3	— 2	— 2	— 2	42
	25	— 1	— 1	— 7	— 4	— 3	— 0	— 4	— 2	— 1	— 3	— 5	— 5	59
	26	— 9	— 3	— 2	— 1	— 2	— 1	— 1	— 4	— 2	— 1	— 2	— 1	74
	27	— 3	— 8	— 4	— 2	— 1	— 2	— 1	— 0	— 5	— 3	— 2	— 3	60
	28	— 5	—11	— 6	—11	— 6	— 0	— 1	— 1	— 2	— 1	— 0	— 4	80
	29	— 1	— 1	— 2	— 0	— 3	— 1	— 1	— 1	— 0	— 6	— 1	— 3	46
	30	—18	—11	— 4	— 3	— 5	— 5	— 7	— 9	— 5	— 6	— 4	— 1	127
	31	— 3	— 4	— 0	— 4	— 0	— 3	— 6	— 1	— 2	— 0	— 0	— 1	42
Hourly Amount.	180	171	132	79	85	85	82	96	100	103	90	74	2769	

HORIZONTAL FORCE. D.

DEVIATIONS. - UNITY = 0.00001 C.G.S.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
M A Y.	1	— 3	— 4	— 2	— 1	— 2	1	— 3	11	4	— 2	12	27	—
	2	6	25	9	8	6	1	7	0	— 4	11	8	— 4	—
	3	— 3	— 3	— 7	— 4	— 5	— 2	— 4	0	7	12	10	— 4	—
	4	— 1	— 7	— 8	— 8	— 9	— 7	— 7	— 5	— 2	6	10	4	—
	5	— 1	— 3	— 4	— 3	— 3	— 5	— 6	— 4	— 2	4	5	9	—
	6	— 3	— 2	0	— 2	— 4	— 4	— 3	3	6	6	0	1	—
	7	— 5	— 3	— 2	— 2	— 4	— 7	— 6	— 6	— 3	11	7	17	—
	8	1	5	— 4	2	0	— 1	— 2	— 1	2	— 5	1	5	—
	9	— 4	— 3	— 5	— 4	— 5	— 7	— 10	— 7	— 9	0	8	9	—
	10	— 2	— 5	— 6	— 6	— 7	— 10	— 17	— 21	— 17	— 13	0	13	—
	11	— 1	3	1	13	10	2	— 3	6	15	— 4	14	— 11	—
	12	— 1	3	7	7	12	6	11	— 2	19	3	5	— 21	—
	13	4	3	— 3	3	5	— 5	— 6	— 4	4	9	8	5	—
	14	2	+ 1	— 3	4	— 2	— 7	— 8	— 9	— 9	3	5	6	—
	15	3	9	6	— 1	— 4	0	— 2	1	12	3	— 3	— 13	—
	16	0	7	4	2	7	4	2	0	3	— 2	6	8	—
	17	3	0	— 1	— 2	— 2	— 3	— 3	— 4	2	4	8	12	—
	18	— 4	— 3	— 7	— 5	— 6	— 2	— 1	— 3	— 1	8	4	1	—
	19	6	3	1	3	0	— 3	— 8	— 10	— 11	— 8	— 4	— 1	—
	20	— 4	0	— 7	— 5	— 4	11	0	0	2	1	— 5	— 2	—
	21	— 1	— 4	— 5	— 4	— 7	— 6	— 5	— 7	— 4	— 1	2	6	—
	22	4	— 1	— 2	— 5	— 10	— 14	— 10	— 7	— 4	0	6	9	—
	23	3	— 12	30	3	8	2	8	11	3	0	— 15	— 18	—
	24	4	1	3	4	11	8	6	7	7	3	4	1	—
	25	2	— 3	7	1	— 1	1	6	13	— 6	— 3	— 4	— 12	—
	26	— 2	0	1	6	7	7	10	10	8	6	3	— 1	—
	27	— 5	— 4	— 3	— 1	— 1	— 2	— 1	1	7	6	0	— 1	—
	28	1	5	2	— 1	4	0	0	— 5	— 6	— 2	5	4	—
	29	— 2	— 1	— 3	— 6	— 5	— 6	— 5	— 2	— 5	— 4	4	10	—
	30	0	— 2	— 2	— 4	— 7	— 9	— 9	— 7	— 8	— 3	— 1	1	—
	31	5	6	0	— 2	— 7	— 7	— 12	— 17	— 19	— 16	— 11	— 4	—

Hourly Amount.	86	131	145	122	165	150	181	184	211	159	178	240	—
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Mean Batavia Time.	1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily Amount	
M A Y.	1	—23	—26	—28	—24	—35	—32	— 5	6	— 1	— 1	— 7	12	272
	2	—11	— 9	— 7	4	9	6	2	— 1	— 3	— 3	— 2	— 6	152
	3	0	0	2	1	— 3	2	6	7	1	2	2	1	88
	4	1	1	7	10	7	4	— 2	— 1	4	— 2	0	— 5	118
	5	5	2	2	4	1	— 2	0	— 3	1	— 1	0	— 1	71
	6	0	3	— 1	— 7	— 3	5	6	5	4	3	2	— 9	82
	7	8	—12	— 3	— 7	— 4	7	7	— 1	— 1	1	— 3	0	127
	8	6	— 4	— 5	— 3	4	3	4	3	5	3	0	— 2	71
	9	9	6	1	— 1	4	6	8	5	0	0	1	— 2	114
	10	22	32	26	19	16	0	3	6	— 9	—17	—12	— 9	288
	11	—13	—10	—12	— 7	—18	— 4	0	3	3	— 1	— 1	5	162
	12	— 5	—13	—24	—21	—17	— 8	— 5	0	— 2	5	10	9	216
	13	6	— 7	— 9	1	5	— 1	— 9	— 4	1	4	2	8	116
	14	13	5	4	6	— 3	1	1	— 2	— 2	— 1	1	— 5	103
	15	— 4	2	— 4	3	10	3	— 9	—18	—18	—14	— 8	— 2	152
	16	1	— 3	— 4	—11	— 4	0	1	2	3	2	— 2	2	80
	17	9	— 2	3	— 1	2	0	— 2	3	— 1	— 1	— 1	— 4	73
	18	3	0	0	1	2	— 2	1	— 1	1	2	3	4	65
	19	2	11	11	22	15	15	— 2	— 6	—18	—18	—11	— 9	198
	20	0	1	2	5	9	7	3	2	0	0	0	— 4	74
	21	5	— 2	— 2	0	4	2	1	1	2	5	3	3	82
	22	7	5	6	11	14	13	6	8	0	—11	— 9	— 3	165
	23	— 8	—15	— 8	—10	— 8	— 6	— 3	— 6	— 7	1	1	8	194
	24	—18	—17	—15	—14	0	— 2	— 2	3	7	5	6	8	156
	25	4	— 1	2	— 1	— 2	— 2	— 3	— 5	— 6	— 6	— 6	— 7	104
	26	—10	—10	— 4	0	2	0	0	2	4	0	0	— 1	94
	27	1	— 3	2	1	— 5	— 1	— 1	0	5	3	3	5	62
	28	— 1	0	4	—10	— 7	— 4	0	— 1	— 4	— 2	— 1	— 3	72
	29	9	10	12	6	— 1	— 3	0	— 1	— 1	2	6	4	108
	30	6	9	15	4	0	— 1	— 1	— 4	— 2	— 1	3	1	100
	31	6	25	28	35	21	5	—11	— 7	—12	—15	— 4	— 3	278

Hourly Amount.	216	246	253	250	235	147	104	117	128	134	110	145	4037
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VERTICAL FORCE. D.

DEVIATIONS. -- UNITY = 0.00001 C. G. S.

Mean Batavia Time.		1 A.M.	2	3	4	5	6	7	8	9	10	11	12	—
M A Y.	1	10	8	9	7	6	6	8	— 5	— 6	— 7	—15	—21	—
	2	— 4	— 9	— 5	— 3	— 2	4	0	9	6	— 3	— 8	— 4	—
	3	6	8	7	9	9	9	14	12	7	— 7	—12	— 9	—
	4	0	2	2	3	3	2	7	11	13	— 7	—12	— 3	—
	5	4	3	4	2	2	3	5	4	— 3	— 9	—12	—10	—
	6	2	2	2	5	7	7	7	1	— 5	— 8	— 3	0	—
	7	2	2	1	1	4	5	6	9	7	— 6	— 3	— 8	—
	8	0	— 2	1	0	2	2	3	3	7	12	6	— 5	—
	9	5	5	5	2	5	6	9	— 2	— 2	— 6	— 1	5	—
	10	1	3	4	2	3	7	6	8	4	2	— 5	—10	—
	11	— 7	— 7	— 6	— 9	— 4	2	9	14	9	8	—12	— 7	—
	12	4	2	— 1	— 1	— 3	— 1	0	8	6	1	— 3	5	—
	13	1	0	0	0	— 3	2	7	9	3	— 8	—13	—10	—
	14	— 3	— 3	— 2	— 4	— 2	1	1	10	10	0	— 3	— 9	—
	15	1	— 2	0	5	7	7	9	8	— 4	— 5	— 7	— 5	—
	16	0	— 4	— 2	1	— 1	2	4	6	2	— 6	—13	—10	—
	17	2	5	6	4	3	5	7	8	4	1	0	— 5	—
	18	5	2	3	4	4	0	2	2	6	1	0	— 8	—
	19	— 1	0	— 1	— 1	— 1	— 3	— 2	0	5	11	11	3	—
	20	0	— 1	2	0	— 2	—10	— 5	5	0	4	8	5	—
	21	1	1	0	2	4	1	— 1	1	0	— 1	3	— 4	—
	22	— 2	1	2	2	4	6	5	8	7	— 1	2	— 5	—
	23	— 3	4	—11	— 3	— 4	— 5	— 4	— 5	— 4	— 2	10	12	—
	24	— 5	— 3	— 4	— 5	— 7	— 8	— 3	— 1	— 1	0	— 5	0	—
	25	— 2	2	— 2	1	3	2	3	5	— 2	— 3	— 2	4	—
	26	— 5	— 6	— 7	— 8	— 6	— 3	— 1	3	5	8	— 4	— 7	—
	27	6	2	2	3	2	1	1	4	0	— 3	— 6	— 5	—
	28	0	0	— 1	2	0	0	3	2	5	10	11	0	—
	29	6	5	7	7	6	7	7	—21	— 8	0	3	1	—
	30	— 2	— 2	— 1	— 1	— 1	— 4	— 1	8	11	7	5	7	—
	31	— 1	— 1	0	— 1	0	— 2	— 4	1	4	2	0	1	—

Hourly Means.	91	97	100	98	110	123	144	193	156	149	198	188	—
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Mean Batavia Time.	1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily Amount.	
M A Y.	1	— 1	8	28	25	13	6	— 5	—12	— 6	0	3	— 7	222
	2	— 2	— 1	— 8	—10	— 7	— 4	1	1	— 2	— 2	1	4	100
	3	— 8	— 9	— 9	— 7	— 5	— 7	— 7	— 5	— 2	— 2	— 1	— 2	173
	4	0	— 1	0	— 1	— 1	— 1	3	1	— 1	0	2	4	80
	5	— 2	1	7	3	— 3	1	1	1	— 2	— 4	— 4	— 1	91
	6	— 1	2	1	5	0	— 3	— 3	— 2	— 6	— 5	— 3	1	81
	7	—12	0	0	3	3	— 8	— 7	— 2	— 2	— 3	0	1	95
	8	—10	— 9	— 9	— 9	— 7	— 4	2	4	4	3	5	5	114
	9	2	— 1	1	0	— 4	— 6	— 6	— 7	— 5	— 4	— 3	2	94
	10	— 7	— 9	— 7	— 2	2	4	1	— 1	2	8	2	1	101
	11	— 8	—12	— 6	— 7	0	0	— 3	1	0	2	3	0	136
	12	— 7	— 2	8	7	8	3	0	0	0	1	— 1	0	72
	13	— 5	1	9	2	1	1	2	0	— 2	— 4	— 2	— 4	89
	14	— 9	— 2	1	4	5	1	— 3	— 3	— 2	— 4	0	3	85
	15	— 5	1	11	9	— 1	— 2	0	3	3	1	— 2	— 3	101
	16	— 7	1	0	1	— 4	— 4	— 4	— 2	— 1	0	2	1	78
	17	—11	— 9	— 9	— 4	— 4	— 3	— 3	— 3	— 4	— 2	— 1	3	106
	18	— 6	— 6	— 7	— 8	— 2	0	0	0	— 2	— 2	— 1	— 3	74
	19	— 4	—12	— 7	— 8	— 2	0	4	3	9	7	3	2	100
	20	1	0	— 1	0	1	— 1	0	0	— 1	1	0	1	49
	21	— 3	3	— 1	— 2	— 3	— 1	2	— 1	— 1	— 1	— 1	— 1	39
	22	— 8	—15	—10	—10	— 2	— 1	— 1	— 1	5	11	7	2	118
	23	11	8	1	0	5	4	2	4	6	1	1	— 6	116
	24	5	5	1	0	1	5	2	2	1	3	2	2	71
	25	6	2	1	5	7	5	4	4	2	0	— 2	— 3	72
	26	— 6	— 4	— 3	— 5	— 7	— 2	— 1	2	2	3	2	4	104
	27	2	4	— 1	— 4	0	— 1	— 1	— 1	— 2	— 1	0	— 1	53
	28	— 5	—11	— 6	— 2	— 3	— 2	— 3	— 1	2	4	4	7	84
	29	1	0	— 1	— 6	— 5	2	1	3	2	— 1	— 3	— 2	105
	30	1	— 1	—11	— 8	— 2	2	2	2	1	0	— 5	— 1	86
	31	— 2	— 6	— 4	— 4	— 5	— 1	5	5	3	5	— 1	— 3	61

Hourly Amount.	158	146	169	161	113	85	79	77	83	85	67	80	2950
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EASTERLY DECLINATION. D.

DEVIATIONS. — UNITY = 0'.1.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
J U N E.	1	— 1	3	5	1	— 6	— 3	— 5	1	— 3	— 4	— 5	— 5	—
	2	— 1	5	— 2	— 1	— 1	— 4	— 4	6	— 5	— 0	— 5	— 7	—
	3	— 6	7	— 5	— 1	— 1	— 1	— 4	— 1	— 4	— 1	— 1	— 3	—
	4	— 5	3	— 3	— 2	— 3	— 2	— 5	— 1	— 0	— 6	— 8	— 8	—
	5	— 1	2	— 4	— 4	— 3	— 3	— 2	— 5	— 7	— 4	— 0	— 11	—
	6	— 1	3	— 3	— 2	— 3	— 3	— 3	— 8	— 9	— 2	— 3	— 7	—
	7	— 0	— 1	— 2	— 3	— 9	— 2	— 11	— 10	— 8	— 4	— 2	— 4	—
	8	— 1	— 2	— 1	— 0	— 0	— 2	— 2	— 2	— 0	— 0	— 6	— 2	—
	9	— 2	— 4	— 3	— 3	— 3	— 1	— 3	— 2	— 3	— 4	— 5	— 2	—
	10	— 1	— 2	— 2	— 4	— 4	— 5	— 3	— 1	— 3	— 5	— 5	— 4	—
	11	— 2	— 1	— 1	— 1	— 0	— 1	— 10	— 13	— 11	— 2	— 3	— 2	—
	12	— 0	— 0	— 2	— 1	— 2	— 1	— 10	— 12	— 10	— 5	— 2	— 1	—
	13	— 5	— 0	— 0	— 1	— 1	— 3	— 8	— 15	— 15	— 8	— 4	— 1	—
	14	— 3	— 8	— 2	— 2	— 3	— 2	— 9	— 16	— 4	— 3	— 4	— 1	—
	15	— 1	— 1	— 2	— 0	— 1	— 5	— 11	— 14	— 13	— 7	— 3	— 6	—
	16	— 0	— 0	— 0	— 0	— 1	— 0	— 6	— 5	— 5	— 3	— 4	— 3	—
	17	— 4	— 2	— 2	— 1	— 1	— 0	— 1	— 4	— 5	— 5	— 1	— 1	—
	18	— 4	— 4	— 4	— 3	— 3	— 0	— 1	— 7	— 8	— 11	— 8	— 2	—
	19	— 3	— 3	— 3	— 1	— 2	— 5	— 7	— 10	— 23	— 9	— 7	— 5	—
	20	— 4	— 5	— 5	— 5	— 4	— 2	— 2	— 1	— 1	— 4	— 0	— 0	—
	21	— 2	— 3	— 3	— 2	— 3	— 1	— 0	— 2	— 5	— 1	— 9	— 7	—
	22	— 1	— 1	— 1	— 1	— 1	— 1	— 6	— 6	— 3	— 1	— 3	— 4	—
	23	— 2	— 0	— 3	— 2	— 4	— 1	— 5	— 1	— 2	— 3	— 8	— 5	—
	24	— 14	— 12	— 8	— 10	— 1	— 3	— 1	— 5	— 9	— 11	— 2	— 4	—
	25	— 5	— 2	— 1	— 1	— 3	— 2	— 6	— 7	— 5	— 0	— 1	— 2	—
	26	— 5	— 3	— 3	— 3	— 2	— 1	— 10	— 16	— 17	— 18	— 17	— 6	—
	27	— 2	— 2	— 2	— 0	— 1	— 2	— 2	— 0	— 0	— 5	— 8	— 10	—
	28	— 2	— 1	— 0	— 4	— 5	— 5	— 5	— 3	— 2	— 1	— 3	— 0	—
	29	— 1	— 2	— 5	— 1	— 1	— 2	— 0	— 0	— 3	— 2	— 1	— 5	—
	30	— 2	— 2	— 1	— 0	— 1	— 0	— 11	— 9	— 10	— 6	— 4	— 2	—
Hourly Amount.		81	84	78	60	73	63	153	184	193	135	132	120	—
Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily Amount.
J U N E.	1	— 1	2	2	3	7	9	0	2	— 2	0	— 3	2	75
	2	— 3	— 8	— 7	— 3	— 1	— 3	— 5	— 6	— 3	— 3	— 3	— 8	94
	3	— 2	— 3	— 2	— 1	— 4	— 1	— 3	— 1	— 1	— 1	— 1	— 2	57
	4	— 4	— 3	— 2	— 5	— 8	— 2	— 0	— 2	— 1	— 2	— 2	— 1	78
	5	— 15	— 9	— 4	— 2	— 4	— 6	— 2	— 2	— 0	— 0	— 2	— 2	94
	6	— 12	— 9	— 1	— 1	— 5	— 3	— 2	— 0	— 0	— 2	— 2	— 3	87
	7	— 7	— 10	— 8	— 8	— 1	— 1	— 2	— 1	— 2	— 2	— 2	— 1	101
	8	— 0	— 0	— 2	— 6	— 4	— 3	— 3	— 0	— 2	— 0	— 2	— 1	41
	9	— 0	— 1	— 2	— 1	— 6	— 2	— 3	— 3	— 3	— 0	— 3	— 4	63
	10	— 3	— 11	— 11	— 6	— 5	— 1	— 1	— 2	— 6	— 5	— 6	— 5	101
	11	— 4	— 10	— 10	— 8	— 1	— 0	— 2	— 3	— 2	— 2	— 3	— 0	92
	12	— 3	— 1	— 2	— 4	— 2	— 6	— 6	— 4	— 4	— 4	— 3	— 1	86
	13	— 5	— 6	— 4	— 1	— 6	— 6	— 4	— 3	— 2	— 2	— 2	— 2	104
	14	— 3	— 2	— 5	— 3	— 3	— 1	— 1	— 3	— 1	— 2	— 3	— 4	88
	15	— 7	— 3	— 4	— 7	— 4	— 0	— 1	— 1	— 3	— 2	— 2	— 2	100
	16	— 5	— 5	— 0	— 1	— 4	— 5	— 3	— 2	— 3	— 1	— 2	— 3	61
	17	— 1	— 5	— 2	— 1	— 2	— 5	— 5	— 4	— 9	— 5	— 5	— 0	71
	18	— 6	— 8	— 4	— 5	— 3	— 9	— 9	— 6	— 5	— 5	— 3	— 1	119
	19	— 9	— 10	— 9	— 1	— 2	— 5	— 6	— 5	— 2	— 1	— 1	— 2	131
	20	— 1	— 3	— 2	— 4	— 1	— 3	— 4	— 1	— 2	— 1	— 1	— 0	57
	21	— 2	— 5	— 2	— 3	— 7	— 5	— 3	— 4	— 2	— 2	— 1	— 0	74
	22	— 2	— 1	— 0	— 4	— 2	— 1	— 5	— 0	— 1	— 4	— 0	— 2	51
	23	— 9	— 8	— 1	— 17	— 22	— 3	— 3	— 5	— 4	— 5	— 8	— 11	132
	24	— 1	— 2	— 7	— 7	— 2	— 5	— 2	— 2	— 2	— 3	— 4	— 4	121
	25	— 6	— 3	— 1	— 4	— 2	— 0	— 0	— 0	— 1	— 1	— 4	— 4	61
	26	— 3	— 10	— 13	— 12	— 6	— 6	— 4	— 3	— 3	— 2	— 0	— 1	164
	27	— 7	— 2	— 2	— 3	— 2	— 1	— 2	— 5	— 6	— 6	— 4	— 2	76
	28	— 5	— 4	— 7	— 8	— 1	— 5	— 2	— 1	— 2	— 3	— 3	— 2	74
	29	— 10	— 3	— 0	— 4	— 0	— 2	— 4	— 6	— 4	— 3	— 4	— 3	66
	30	— 4	— 1	— 1	— 3	— 5	— 4	— 3	— 2	— 5	— 1	— 1	— 0	78
Hourly Amount.		140	148	117	136	122	103	90	79	83	70	80	73	2597

HORIZONTAL FORCE. D.

DEVIATIONS. — UNITY = 0.00001 C. G. S.

Mean Batavia Time.	1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—	
J U N E.	1	8	9	12	20	17	20	7	4	— 3	—10	—14	—10	—
	2	9	15	19	14	14	18	17	14	11	4	— 6	—10	—
	3	—23	—29	—24	—15	—11	— 4	1	9	9	9	9	1	—
	4	3	2	— 5	— 5	— 5	— 9	— 7	— 4	— 4	— 6	— 5	3	—
	5	— 2	— 2	5	— 3	— 3	— 4	0	6	10	2	3	2	—
	6	— 2	— 2	1	2	0	0	1	— 7	— 1	1	2	— 1	—
	7	0	1	— 2	— 3	0	3	0	— 1	5	5	3	— 1	—
	8	1	0	0	0	— 2	— 5	— 8	— 3	0	— 1	6	6	—
	9	1	0	— 1	— 3	— 4	— 3	0	— 1	1	0	1	2	—
	10	1	— 2	— 6	— 7	— 7	— 7	— 3	— 8	— 4	— 8	— 6	— 1	—
	11	0	— 2	— 3	— 6	— 4	— 4	1	6	— 2	0	— 1	— 3	—
	12	— 1	— 3	— 3	— 3	— 3	— 4	4	4	1	2	— 1	1	—
	13	— 3	— 1	— 5	1	— 4	— 5	3	9	7	5	4	— 1	—
	14	— 2	— 2	— 2	— 5	— 1	— 1	— 9	—15	— 3	— 7	3	6	—
	15	4	8	— 3	— 4	— 6	— 7	— 9	— 7	— 7	— 4	— 1	7	—
	16	— 3	— 1	1	1	— 2	— 2	— 1	— 1	— 3	— 7	— 2	5	—
	17	— 4	— 3	— 1	— 1	— 1	— 3	— 4	— 4	— 6	— 9	—10	— 7	—
	18	—13	— 9	— 8	— 2	— 2	1	7	6	11	15	13	5	—
	19	12	7	7	— 4	2	5	12	14	3	— 7	—18	— 7	—
	20	6	2	0	2	0	1	5	5	5	6	4	0	—
	21	3	3	6	8	8	7	2	— 1	— 4	— 8	— 7	— 3	—
	22	4	4	7	7	7	6	4	1	— 5	— 6	— 3	— 6	—
	23	3	6	4	9	20	20	19	14	— 3	— 9	—52	—24	—
	24	7	5	2	4	18	26	24	5	—10	— 8	— 5	4	—
	25	5	3	0	0	3	— 3	0	4	4	6	4	— 1	—
	26	— 2	— 2	— 2	— 3	— 4	— 5	— 5	— 5	— 9	— 3	1	6	—
	27	1	— 1	— 2	— 4	— 5	— 2	2	2	1	5	2	0	—
	28	7	4	4	6	3	6	4	0	—11	—10	— 5	0	—
	29	—18	—15	—17	3	4	8	7	12	11	— 3	—11	—10	—
	30	6	4	2	4	0	— 3	0	2	5	17	10	— 5	—
Hourly Amount.	154	147	154	149	160	192	166	174	159	183	212	138	—	
Mean Batavia Time.	1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily Amount.	
J U N E.	1	— 2	— 1	— 3	— 7	—21	—34	—23	— 21	—12	— 7	1	2	268
	2	— 3	0	1	1	6	12	13	12	8	—21	—27	—13	268
	3	—28	— 7	— 2	— 1	12	8	13	6	8	12	7	6	254
	4	6	10	11	8	10	3	— 1	1	— 3	— 8	— 9	— 7	135
	5	5	— 4	—14	— 7	3	— 2	2	3	4	7	7	5	105
	6	3	3	0	0	— 6	0	3	— 3	— 3	— 3	— 3	— 4	51
	7	3	1	— 1	— 5	— 4	— 6	— 5	— 3	2	4	1	3	62
	8	4	3	1	— 6	0	3	1	1	1	4	5	3	64
	9	4	7	9	4	— 2	— 2	— 8	— 2	3	2	— 2	— 1	63
	10	9	14	7	2	— 2	— 4	— 3	— 2	3	5	5	0	116
	11	3	— 1	0	4	3	5	4	2	1	1	2	1	59
	12	4	5	6	6	5	5	3	2	— 1	3	— 3	— 6	79
	13	— 3	— 1	— 5	— 3	7	4	0	4	4	5	5	5	94
	14	5	5	7	— 3	— 9	— 5	— 3	— 3	— 2	— 4	— 5	6	113
	15	9	9	9	4	7	— 1	0	— 4	1	1	2	0	114
	16	8	7	7	5	5	2	— 2	— 1	0	— 2	— 4	— 7	79
	17	7	9	13	15	17	6	8	— 3	1	— 2	— 8	— 8	150
	18	—10	— 4	— 5	2	13	19	18	8	7	12	10	4	204
	19	—25	—15	—37	—26	—10	— 9	2	6	10	13	9	5	295
	20	— 2	—10	— 9	— 7	1	0	0	— 2	1	6	6	5	85
	21	5	— 9	—10	— 8	— 5	— 2	— 3	0	3	4	3	4	116
	22	— 2	— 3	4	10	12	11	7	3	—10	—11	— 8	— 5	146
	23	3	40	8	—27	—55	— 5	—13	—15	—28	— 7	8	— 1	393
	24	—14	—15	3	— 6	—10	— 5	— 9	— 1	7	7	7	5	207
	25	— 1	6	7	9	2	— 8	— 4	— 2	1	4	3	4	84
	26	8	8	3	2	— 1	— 3	1	2	3	2	1	— 1	82
	27	— 3	0	— 7	— 3	— 3	—11	—11	— 6	2	5	6	10	94
	28	1	8	10	6	3	11	6	10	0	1	— 6	—16	138
	29	7	— 7	3	— 1	— 4	— 9	— 8	— 3	— 1	0	3	6	171
	30	5	7	7	4	5	1	5	4	3	2	— 5	— 1	107
Hourly Amount.	192	249	209	192	243	196	179	135	133	165	171	144	4196	

VERTICAL FORCE. D.
DEVIATIONS. — UNITY = 0.00001 C. G. S.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
J U N E.	1	— 5	— 4	— 2	— 5	— 5	— 5	1	0	2	5	2	1	—
	2	— 4	— 6	— 8	— 4	— 2	— 6	— 4	— 3	6	5	11	4	—
	3	13	13	8	— 3	— 3	— 7	— 9	— 11	— 13	— 10	— 7	0	—
	4	— 5	— 4	— 3	— 2	— 3	— 2	— 7	1	2	3	0	— 7	—
	5	— 4	— 5	— 7	— 6	— 5	— 10	— 7	— 5	— 3	2	4	12	—
	6	2	3	1	2	5	7	7	6	8	7	2	6	—
	7	— 1	— 1	0	— 1	— 3	— 5	— 5	0	4	5	4	3	—
	8	— 1	— 1	0	— 1	0	0	— 2	— 2	— 4	0	1	— 4	—
	9	— 1	1	2	1	3	2	2	0	3	4	4	— 10	—
	10	4	6	8	9	10	12	8	7	4	2	— 1	0	—
	11	0	0	— 2	0	— 1	— 3	— 11	— 10	— 8	— 9	— 5	7	—
	12	— 3	— 4	— 2	— 1	— 1	— 2	— 9	— 5	— 2	1	5	4	—
	13	2	— 1	0	0	2	1	— 3	— 8	— 5	— 2	0	2	—
	14	1	1	1	— 1	— 1	— 2	— 2	— 4	— 3	2	5	6	—
	15	1	— 2	1	2	— 1	1	0	— 10	— 7	— 5	— 2	2	—
	16	0	— 2	— 4	— 3	— 6	— 4	— 8	— 8	— 9	— 4	0	2	—
	17	— 1	— 2	— 3	— 2	— 2	— 2	— 3	— 2	0	3	9	6	—
	18	0	1	2	— 3	— 2	— 5	— 4	— 13	— 15	— 9	— 1	7	—
	19	— 5	— 4	— 4	2	— 3	— 10	— 9	— 10	1	8	14	10	—
	20	— 4	— 2	0	0	1	— 1	0	3	1	— 1	— 1	— 1	—
	21	— 1	— 1	0	— 3	— 3	— 2	2	1	0	4	— 4	— 4	—
	22	0	— 2	— 1	1	2	3	4	2	2	3	4	7	—
	23	— 3	0	2	— 2	— 9	— 4	— 2	— 5	— 4	— 4	15	9	—
	24	— 1	— 3	— 4	— 7	— 14	— 15	— 22	— 13	— 5	— 1	7	10	—
	25	— 2	— 4	— 2	— 2	1	0	— 4	— 3	1	7	7	7	—
	26	3	4	2	0	— 1	— 1	— 5	— 14	— 11	— 4	— 1	— 1	—
	27	— 2	— 3	— 1	1	1	1	— 3	0	— 5	— 5	— 5	0	—
	28	0	0	— 1	— 2	— 1	— 3	— 4	— 6	— 6	— 5	5	7	—
	29	9	9	10	2	3	3	1	— 8	— 6	7	4	2	—
	30	— 6	— 4	— 3	— 4	— 3	— 3	— 7	— 6	— 6	— 6	— 3	10	—

Hourly Amount.	84	93	84	72	97	122	155	166	146	133	133	151	—
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Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily Amount
J U N E.	1	0	— 2	6	9	11	11	6	2	0	— 3	— 7	— 7	101
	2	— 1	— 1	— 1	— 2	— 4	— 7	— 7	— 7	0	17	23	13	146
	3	20	18	15	6	— 2	— 4	— 4	— 2	— 4	— 7	— 7	— 7	193
	4	— 4	1	3	2	6	4	4	2	2	2	2	— 3	74
	5	5	— 4	— 11	— 1	4	5	— 1	1	0	— 2	— 1	0	105
	6	— 5	— 13	— 16	— 12	— 5	— 1	0	0	— 1	0	0	— 1	110
	7	— 2	— 2	2	2	2	2	3	3	1	0	1	0	52
	8	0	0	— 5	— 4	0	1	1	2	0	2	1	— 1	33
	9	6	1	— 6	— 4	— 6	— 3	2	— 3	— 5	— 3	0	4	76
	10	— 7	— 12	— 5	0	— 3	— 3	— 4	— 3	— 5	— 3	— 5	— 3	124
	11	11	20	15	6	— 1	— 2	— 2	1	— 4	— 4	— 6	— 3	131
	12	1	3	5	6	2	1	1	0	1	— 1	2	3	65
	13	1	1	2	2	1	1	2	0	0	— 2	— 3	— 1	42
	14	3	0	— 1	0	3	4	2	3	2	5	4	0	56
	15	6	0	2	6	2	2	1	0	— 2	— 3	— 3	— 1	62
	16	9	14	10	10	5	3	2	— 1	— 2	— 3	— 4	— 2	115
	17	— 2	— 3	— 3	— 7	— 5	0	— 1	4	3	3	5	2	73
	18	10	6	6	0	3	— 3	— 3	— 2	— 3	— 3	— 8	— 6	115
	19	6	12	5	— 1	1	3	0	— 1	0	0	1	— 1	111
	20	— 3	2	1	0	1	3	3	3	4	— 1	0	1	37
	21	— 2	— 5	0	1	3	3	2	2	— 1	1	0	2	47
	22	4	2	— 6	— 13	— 11	— 4	0	3	11	7	5	2	99
	23	3	— 9	2	16	26	4	2	6	6	3	— 3	2	141
	24	17	14	7	2	0	— 2	2	— 2	— 5	— 4	— 4	— 4	165
	25	— 1	— 6	— 7	— 6	— 4	2	3	2	2	3	4	5	87
	26	9	11	8	9	4	2	— 1	— 5	— 4	— 5	— 2	0	107
	27	5	5	5	3	3	4	4	4	1	— 2	— 2	— 1	66
	28	8	1	0	— 1	— 8	— 7	— 4	— 3	1	1	6	10	90
	29	— 1	— 3	— 5	0	1	3	5	0	— 2	— 1	— 4	— 3	92
	30	16	15	2	— 1	— 2	1	0	2	1	2	1	2	106

Hourly Amount.	168	186	162	132	129	95	72	69	73	93	114	92	2821
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EASTERLY DECLINATION. D.

DEVIATIONS. — UNITY = 0°.1.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
JULY.	1	0	— 1	0	— 2	— 4	— 3	2	— 3	— 2	4	11	14	
	2	0	— 2	— 1	— 3	— 3	2	6	6	6	6	5	5	—
	3	— 5	— 6	— 5	— 4	— 1	7	12	24	22	8	7	4	—
	4	— 6	— 27	— 25	— 24	— 22	8	3	11	24	23	19	14	—
	5	— 6	— 1	0	— 1	0	— 1	11	12	12	15	11	3	—
	6	— 5	— 1	— 1	1	7	5	5	13	7	6	8	2	—
	7	3	3	3	2	2	0	— 1	6	4	7	5	— 4	—
	8	2	1	2	0	0	— 2	0	3	7	10	9	— 1	—
	9	— 4	— 3	2	4	3	3	10	11	7	8	5	0	—
	10	3	2	3	2	4	0	5	11	14	4	— 2	— 8	—
	11	2	2	0	1	3	5	5	8	5	5	2	— 4	—
	12	— 3	1	— 1	0	0	0	8	9	4	— 2	— 1	3	—
	13	2	1	0	— 1	3	5	4	12	14	12	0	— 5	—
	14	— 1	0	— 1	— 2	1	2	13	0	— 1	0	9	14	—
	15	— 1	— 1	— 1	0	3	1	1	0	— 1	— 3	1	6	—
	16	3	2	4	1	1	— 3	— 3	0	5	3	5	— 16	—
	17	0	0	— 1	0	0	0	1	4	2	— 1	— 2	— 5	—
	18	4	2	2	3	2	— 1	— 4	4	9	5	— 4	— 11	—
	19	1	4	4	4	2	1	1	2	1	— 2	— 1	0	—
	20	0	0	— 3	5	0	— 2	— 4	1	7	6	6	0	—
	21	— 1	1	0	0	0	3	6	6	1	— 2	— 2	— 1	—
	22	1	— 1	— 2	— 3	— 5	— 7	— 5	— 11	— 7	!	10	16	—
	23	— 1	0	0	— 1	0	— 1	3	2	— 3	0	6	— 4	—
	24	3	2	5	0	— 3	— 6	— 11	— 11	— 13	— 6	9	10	—
	25	0	0	— 2	— 3	— 8	— 10	— 9	0	— 1	— 2	5	11	—
	26	— 4	— 1	— 1	— 3	1	— 4	— 15	— 16	— 9	2	5	8	—
	27	— 4	— 4	— 5	2	2	— 1	1	1	— 1	6	2	7	—
	28	— 2	— 2	— 1	3	1	— 1	— 3	0	3	— 1	— 7	— 7	—
	29	— 1	— 3	3	1	2	0	3	2	0	— 3	— 3	4	—
	30	3	0	0	0	— 3	— 1	— 4	— 8	— 8	— 7	— 3	9	—
	31	0	— 1	— 2	7	6	2	1	— 1	— 1	1	— 2	2	—
Hourly Amount.		71	75	81	82	93	87	160	198	201	161	167	198	—
Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily Amount.
JULY.	1	7	2	3	0	1	— 6	— 5	— 8	— 5	— 1	— 2	— 3	89
	2	— 3	— 6	1	0	— 3	— 5	— 4	— 8	— 6	— 5	— 6	— 8	100
	3	— 10	— 10	— 11	— 1	4	— 1	8	19	9	3	5	— 7	193
	4	— 3	— 10	— 7	— 7	— 5	— 3	— 2	— 4	0	— 4	— 5	— 6	262
	5	0	— 6	— 4	— 3	— 2	— 6	— 6	— 6	— 4	— 8	— 5	— 5	128
	6	1	0	— 4	— 3	4	— 5	— 4	— 5	— 3	— 4	— 2	— 2	98
	7	— 13	— 10	— 6	— 2	0	— 2	1	0	0	— 1	— 3	3	81
	8	— 11	— 5	0	9	2	3	— 1	— 2	— 8	— 9	— 5	— 3	95
	9	— 8	— 10	— 7	— 7	— 11	— 5	— 2	— 2	— 2	0	1	2	117
	10	— 9	— 6	— 2	— 3	— 5	— 6	— 2	— 1	1	1	2	1	97
	11	— 2	0	2	— 9	— 12	— 9	— 5	— 2	— 2	0	— 2	— 2	89
	12	2	5	0	— 3	— 5	— 4	— 3	— 2	0	— 4	— 3	2	65
	13	— 11	— 10	— 6	— 5	— 2	1	— 6	— 9	— 6	— 1	— 3	2	121
	14	11	10	— 3	— 2	— 5	— 2	— 2	— 9	— 6	— 6	— 3	— 1	104
	15	11	6	2	1	— 3	— 2	— 3	— 8	— 2	1	— 5	— 1	64
	16	— 8	5	0	— 1	2	1	— 1	2	2	2	1	1	72
	17	— 2	3	2	0	1	— 5	— 2	— 2	— 1	0	2	3	39
	18	— 16	— 5	— 3	0	2	0	1	0	1	2	3	1	85
	19	2	0	2	— 7	— 7	— 3	— 1	— 4	— 4	— 3	— 2	1	59
	20	3	4	2	3	6	1	— 1	— 1	— 3	— 4	— 6	— 6	74
	21	— 4	— 4	— 3	— 6	— 2	— 1	3	1	2	0	2	1	52
	22	22	15	1	— 1	0	— 4	— 3	— 5	— 3	— 4	— 2	— 2	131
	23	— 8	— 6	— 4	1	3	0	0	1	2	4	3	4	58
	24	10	7	5	1	0	— 1	— 3	— 4	— 3	0	2	0	115
	25	12	10	12	14	13	— 3	— 5	— 4	— 1	— 5	— 1	— 4	135
	26	3	7	9	11	7	0	— 3	— 1	— 1	— 4	— 5	— 6	126
	27	4	7	— 1	— 4	— 4	1	— 1	2	1	— 2	— 2	— 2	67
	28	3	4	6	7	1	4	— 2	— 3	— 1	1	0	0	63
	29	12	6	3	0	— 8	— 2	— 6	2	— 1	— 1	— 2	— 3	71
	30	14	13	8	0	0	— 2	— 2	— 1	— 2	— 4	— 1	— 2	95
	31	— 3	0	3	— 1	— 5	— 4	— 2	— 3	— 2	2	1	3	55
Hourly Amount.		228	192	122	112	125	92	90	121	84	86	87	87	3000

HORIZONTAL FORCE. D.

DEVIATIONS. — UNITY = 0.00001 C. G. S.

Mean Batavia Time.	1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—	
JULY.	1	3	1	1	3	2	1	— 4	— 4	— 2	— 4	3	— 2	—
	2	5	3	3	— 1	— 6	— 1	— 2	0	1	0	3	—	
	3	— 3	— 2	58	44	34	26	— 12	— 1	— 13	— 20	— 20	1	—
	4	— 6	1	2	6	59	32	4	7	— 15	— 16	— 30	— 37	—
	5	0	5	4	2	1	0	7	9	5	7	8	2	—
	6	0	— 3	2	— 1	11	5	8	— 4	0	1	— 16	— 10	—
	7	— 5	— 3	— 3	— 1	— 2	— 1	— 1	— 11	— 3	— 3	— 1	8	—
	8	4	6	2	5	4	4	8	4	— 7	— 10	— 6	0	—
	9	1	— 1	— 4	— 3	— 4	— 5	1	— 2	0	— 1	1	4	—
	10	— 1	0	1	0	— 8	2	2	4	— 1	— 7	— 3	2	—
	11	— 2	— 4	— 4	— 2	— 2	— 1	3	2	1	5	5	12	—
	12	4	— 3	3	1	3	4	2	— 3	— 4	— 3	— 3	— 7	—
	13	— 3	— 2	3	5	0	6	11	8	3	2	3	— 6	—
	14	— 8	8	14	16	38	36	1	10	— 17	— 2	— 21	— 32	—
	15	4	3	3	3	2	3	4	— 3	0	5	3	4	—
	16	1	0	2	1	2	2	0	— 1	— 1	9	— 20	— 8	—
	17	— 1	1	1	3	1	4	5	1	0	— 2	— 2	0	—
	18	0	1	— 2	— 4	— 3	— 3	— 2	— 1	— 2	— 1	1	8	—
	19	1	— 5	— 5	— 8	— 9	— 10	— 6	— 11	— 8	— 13	— 4	3	—
	20	— 9	— 1	10	18	22	27	27	17	— 6	— 16	— 27	— 30	—
	21	2	2	3	4	1	— 1	1	— 2	6	— 4	9	11	—
	22	— 2	0	— 1	0	— 1	— 1	— 2	— 6	— 6	1	10	7	—
	23	2	2	3	3	4	5	6	10	5	8	8	1	—
	24	1	— 5	4	— 1	— 2	— 4	— 4	— 7	— 4	— 4	— 1	9	—
	25	10	8	10	16	18	13	4	— 6	— 8	— 3	— 4	— 1	—
	26	6	7	8	9	17	14	6	— 1	0	— 8	— 12	0	—
	27	0	2	1	— 1	0	1	— 3	— 6	— 8	— 6	8	— 7	—
	28	— 8	— 6	2	1	5	3	2	1	— 1	— 4	— 2	2	—
	29	2	2	— 1	— 2	— 5	— 8	— 9	— 6	— 6	— 11	— 5	5	—
	30	— 14	— 13	— 15	— 14	— 17	— 23	— 28	9	3	2	0	4	—
	31	19	19	20	21	13	24	23	— 27	— 25	— 6	— 5	— 8	—
Hourly Amount.	127	119	195	199	296	270	198	184	161	185	241	234	—	

Mean Batavia Time.	1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily Amount.	
JULY.	1	2	— 1	— 3	— 15	— 11	— 2	— 3	1	1	— 3	3	2	77
	2	— 6	3	5	5	3	2	0	7	7	0	— 5	2	71
	3	— 25	— 21	6	14	33	23	4	— 35	— 31	— 28	— 27	— 20	501
	4	— 21	— 28	— 19	— 15	1	8	7	13	4	7	8	8	354
	5	— 12	— 10	— 2	4	5	4	6	6	— 10	— 11	— 11	0	131
	6	5	11	4	6	7	1	— 2	— 5	— 7	— 2	— 2	0	113
	7	9	9	8	9	4	0	— 2	— 2	— 2	— 5	5	0	97
	8	4	3	— 10	— 16	— 14	— 16	— 12	— 14	7	8	6	2	172
	9	9	5	10	10	11	7	3	3	2	0	— 2	— 1	90
	10	1	— 3	— 4	— 5	— 3	— 1	1	4	— 2	— 1	— 2	— 3	61
	11	3	— 9	— 20	— 5	3	8	10	6	3	8	4	5	127
	12	— 4	— 2	— 9	— 6	2	0	1	— 3	— 3	— 2	— 1	— 6	79
	13	— 3	— 5	— 12	— 15	— 11	— 8	21	28	28	10	8	— 3	204
	14	— 36	— 36	— 15	— 26	— 17	— 12	— 12	14	11	12	12	10	416
	15	3	0	— 4	0	— 5	— 2	— 4	7	3	— 7	3	— 2	77
	16	— 1	6	9	6	— 10	— 3	6	— 1	— 8	— 17	— 5	0	119
	17	6	5	3	— 2	— 1	3	2	3	2	3	1	2	54
	18	7	1	— 1	— 1	0	— 1	2	0	0	— 1	2	0	44
	19	12	14	20	20	14	5	2	1	3	1	— 2	— 6	183
	20	— 19	— 12	— 7	— 10	— 15	— 9	— 1	3	3	2	0	2	293
	21	3	2	2	— 1	0	1	— 1	— 6	— 4	0	0	0	66
	22	0	— 4	— 4	— 5	— 3	1	0	0	— 1	0	— 4	— 5	64
	23	— 8	— 11	— 7	— 8	— 4	3	— 6	— 7	— 2	5	6	4	128
	24	7	4	2	1	1	1	1	2	0	— 1	0	1	67
	25	— 13	— 10	— 25	— 17	— 28	— 12	9	5	— 2	— 4	— 5	8	239
	26	0	5	8	— 10	— 18	— 12	— 2	9	2	1	3	3	161
	27	5	9	1	1	5	1	3	— 1	— 4	— 2	— 2	— 6	83
	28	8	— 2	0	— 6	— 4	— 12	— 2	4	3	6	5	4	93
	29	13	12	11	16	22	20	16	1	— 39	— 13	— 9	— 13	247
	30	1	0	7	9	7	11	8	8	10	9	14	18	244
	31	— 13	— 4	— 3	— 7	— 9	— 4	0	1	— 3	— 2	— 2	— 4	262
Hourly Amount.	259	247	241	271	271	193	149	200	207	171	159	140	4917	

VERTICAL FORCE. D.														
DEVIATIONS. — UNITY = 0,00001 C. G. S.														
Mean Batavia Time.	1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—	
JULY.	1	0	1	0	2	1	2	0	— 2	— 2	— 7	— 4	— 1	—
	2	— 2	— 1	0	3	3	0	— 3	— 1	— 4	0	— 2	— 3	—
	3	— 1	— 1	— 28	— 28	— 13	— 7	10	4	20	22	11	— 13	—
	4	— 1	1	0	— 1	— 31	— 26	— 1	— 3	3	0	17	19	—
	5	— 4	— 8	— 7	— 5	— 2	— 4	— 8	— 6	— 5	— 4	— 1	4	—
	6	— 6	— 4	— 5	— 4	— 7	— 7	— 7	3	7	4	12	7	—
	7	— 3	— 3	— 4	— 5	— 1	1	— 3	— 1	— 2	— 5	— 3	2	—
	8	— 1	— 2	0	0	2	1	— 2	— 7	2	6	4	3	—
	9	4	3	3	— 1	1	0	— 9	— 10	— 13	— 13	— 9	— 2	—
	10	— 4	— 4	— 3	— 3	2	— 4	— 9	— 7	0	5	8	7	—
	11	5	6	6	7	6	7	3	10	— 13	— 12	— 8	— 8	—
	12	— 6	— 3	— 6	— 4	— 7	— 6	— 8	— 11	— 4	4	5	10	—
	13	1	— 2	— 3	— 7	— 2	— 10	— 11	— 21	— 15	— 4	6	15	—
	14	— 3	— 7	— 12	— 14	— 21	— 21	— 6	0	15	20	6	6	—
	15	— 1	2	2	2	2	2	3	3	5	4	1	— 8	—
	16	— 2	— 3	— 4	— 5	— 5	— 6	— 6	4	4	10	17	16	—
	17	— 1	— 2	— 4	— 4	— 3	— 5	— 9	0	3	9	— 6	— 3	—
	18	— 1	1	4	4	3	2	2	3	2	8	13	13	—
	19	— 2	— 1	— 2	— 2	0	— 1	— 5	— 7	— 7	— 4	2	8	—
	20	1	— 3	— 7	— 9	— 10	— 13	— 11	— 4	— 1	6	18	10	—
	21	0	— 3	— 2	— 1	— 2	— 3	— 6	— 16	— 14	— 6	4	14	—
	22	— 3	— 3	— 4	— 5	— 5	— 7	— 7	12	13	— 4	— 7	— 6	—
	23	0	— 3	— 2	— 3	— 2	— 1	— 5	— 10	— 5	— 6	— 2	13	—
	24	1	4	— 2	3	5	7	9	6	6	2	— 11	— 11	—
	25	— 9	— 8	— 10	— 12	— 13	— 10	— 10	9	13	13	11	0	—
	26	— 1	— 6	— 3	— 4	— 7	— 2	5	12	5	— 6	— 2	— 14	—
	27	4	2	0	— 2	— 2	— 2	— 1	— 12	— 6	— 2	8	9	—
	28	2	0	— 1	1	3	5	6	— 1	— 5	2	8	6	—
	29	5	6	4	2	0	2	3	6	5	14	— 8	— 8	—
	30	0	1	2	2	2	5	4	1	0	1	— 2	— 5	—
	31	— 1	0	0	1	3	— 5	— 2	5	0	— 3	1	0	—
Hourly Amount.	75	94	130	146	166	174	174	197	199	206	217	244	—	
Mean Batavia Time.	1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily Amount.	
JULY.	1	2	8	5	8	4	— 1	— 3	— 2	— 5	— 3	— 3	69	
	2	8	2	— 2	1	4	5	3	— 1	— 2	— 1	— 1	53	
	3	14	18	4	— 8	— 14	— 12	— 2	13	14	12	12	289	
	4	19	17	11	9	4	— 3	— 3	— 3	— 6	— 7	— 8	196	
	5	8	6	— 3	— 3	— 3	— 2	— 2	— 1	5	8	3	110	
	6	— 1	— 1	4	3	3	1	2	4	5	1	— 2	101	
	7	4	0	— 1	— 3	0	0	3	5	4	2	0	58	
	8	5	2	7	8	3	6	2	8	— 3	— 4	— 2	82	
	9	3	10	5	6	1	— 5	— 3	— 3	— 3	— 5	— 4	121	
	10	10	2	— 1	— 3	— 2	1	— 3	— 2	— 2	0	2	87	
	11	3	16	26	17	5	— 7	— 8	— 8	— 8	— 10	— 8	214	
	12	10	7	12	11	6	0	— 1	0	— 1	0	1	123	
	13	20	14	15	16	11	3	— 12	— 13	— 11	— 7	— 7	233	
	14	12	16	7	8	7	0	2	— 8	— 5	— 4	— 1	202	
	15	— 6	— 4	2	2	1	— 1	1	— 3	— 3	2	— 2	63	
	16	— 1	— 15	— 12	— 1	6	8	1	2	7	8	0	143	
	17	— 3	— 3	— 2	3	6	5	2	1	— 1	0	0	78	
	18	— 5	— 18	— 14	— 15	— 8	0	— 1	— 1	— 1	— 1	— 1	121	
	19	12	17	11	9	4	3	3	2	0	— 3	— 3	108	
	20	6	4	1	— 2	— 1	2	0	0	— 1	2	2	115	
	21	12	13	8	4	— 1	— 2	0	0	— 1	— 2	— 1	117	
	22	— 5	9	9	7	5	3	0	1	2	1	0	118	
	23	15	4	— 2	— 9	— 7	— 3	2	6	5	1	2	3	111
	24	— 1	— 4	— 8	— 5	— 2	— 3	0	0	0	0	— 4	— 6	100
	25	8	7	6	4	16	11	— 3	1	5	8	7	2	196
	26	— 8	— 1	— 2	— 1	3	2	— 2	— 7	— 2	0	1	1	97
	27	12	13	17	8	0	— 1	— 2	— 1	0	— 1	2	4	111
	28	7	— 9	— 13	— 8	— 2	2	— 4	— 3	— 4	— 1	— 1	3	97
	29	— 11	0	5	7	— 2	— 6	— 5	0	15	8	— 1	2	125
	30	— 8	— 9	— 7	0	— 1	— 5	— 5	— 4	— 4	— 4	— 2	— 1	75
	31	— 1	— 5	— 2	2	0	— 3	— 2	— 2	— 4	— 1	1	4	48
Hourly Amount.	240	254	227	191	132	106	82	105	129	106	82	85	3761	

EASTERLY DECLINATION. D.
DEVIATIONS. — UNITY = 0'.1.

Mean Batavia Time.	1 A.M.	2	3	4	5	6	7	8	9	10	11	12	—	
AUGUST.	1	2	2	1	0	— 2	— 1	— 2	— 7	3	— 1	— 4	2	—
	2	2	1	0	2	5	— 2	— 3	1	— 1	— 2	— 3	— 5	—
	3	0	0	1	1	— 4	— 1	6	0	— 2	1	4	2	—
	4	3	2	4	3	2	0	1	— 1	1	— 1	— 6	— 5	—
	5	2	1	4	0	2	0	— 1	0	— 2	0	0	— 3	—
	6	3	5	2	1	1	— 1	5	4	2	8	1	— 7	—
	7	3	3	1	1	1	4	2	2	6	— 1	— 7	— 10	—
	8	2	— 2	— 3	— 5	— 3	— 4	— 5	— 9	— 10	— 10	— 2	8	—
	9	— 2	— 21	— 14	2	1	— 2	2	3	4	2	6	2	—
	10	3	— 2	1	— 2	10	2	5	— 2	0	5	3	5	—
	11	— 3	4	2	3	2	8	6	6	0	— 3	— 5	— 1	—
	12	3	5	4	2	— 1	— 4	1	0	4	0	— 3	— 8	—
	13	— 1	— 3	— 7	— 5	— 3	— 6	— 6	6	— 5	— 9	— 6	8	—
	14	— 1	— 1	0	1	— 3	— 5	— 3	— 8	— 7	— 5	— 2	1	—
	15	—	—	—	—	—	—	—	—	—	—	—	—	—
	16	—	—	—	—	—	—	—	—	—	—	—	—	—
	17	2	0	— 1	— 1	3	1	— 4	— 8	— 6	— 3	0	3	—
	18	— 2	— 1	— 2	0	0	2	3	— 5	— 4	3	3	2	—
	19	0	0	0	— 1	0	3	9	2	— 5	— 3	— 2	2	—
	20	1	3	1	2	— 1	— 1	— 6	— 5	— 6	0	0	2	—
	21	3	1	— 2	— 3	— 2	— 7	— 2	— 8	— 1	— 6	— 4	8	—
	22	— 4	— 7	— 9	— 7	— 7	0	1	2	1	— 4	— 14	— 3	—
	23	— 4	— 1	— 2	— 2	0	2	— 3	— 4	— 1	— 1	— 6	1	—
	24	— 3	— 1	0	3	2	4	4	3	2	2	3	— 3	—
	25	0	— 2	— 2	— 2	— 1	0	— 3	— 6	— 7	— 12	— 3	7	—
	26	— 2	— 2	— 3	— 4	— 5	0	— 1	0	3	0	— 8	— 7	—
	27	— 1	1	3	— 1	0	5	1	— 2	— 1	1	— 2	— 8	—
	28	— 1	— 1	— 3	— 1	3	1	— 2	— 4	1	1	0	— 6	—
	29	2	2	2	2	1	8	2	1	5	4	— 1	— 10	—
	30	4	3	— 2	—	— 4	— 3	— 13	— 5	— 3	— 5	— 7	— 2	—
	31	3	3	1	1	0	2	— 4	— 12	— 8	— 4	0	— 2	—

Hourly Amount.	62	80	77	60	69	79	106	116	101	97	105	133	—
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Mean Batavia Time.	1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily Amount	
AUGUST.	1	7	7	8	2	— 3	— 3	— 2	— 1	— 1	1	0	2	64
	2	—10	— 7	— 3	0	4	3	2	1	1	— 2	— 1	62	
	3	5	3	— 2	— 2	— 3	— 2	— 3	— 4	— 3	0	1	51	
	4	0	— 5	— 7	— 1	4	1	3	2	1	1	3	58	
	5	— 8	— 6	— 1	— 2	1	1	1	0	0	1	1	38	
	6	— 9	— 9	— 5	— 3	0	— 3	2	0	1	2	3	5	82
	7	— 4	2	— 2	— 2	— 3	1	0	0	3	5	3	1	67
	8	19	21	3	— 3	— 2	7	5	2	— 3	— 3	1	0	132
	9	2	3	— 5	— 9	— 5	3	— 3	5	— 4	— 9	— 3	— 1	113
	10	5	2	1	1	— 4	0	— 3	— 3	— 6	— 3	— 3	— 3	74
	11	3	— 5	— 1	— 4	— 8	— 2	0	— 1	1	2	1	2	73
	12	— 9	— 5	6	9	5	2	0	1	2	2	1	0	77
	13	17	13	16	3	— 2	— 3	— 3	5	— 1	3	— 2	— 1	134
	14	5	— 2	5	6	4	2	— 1	2	1	3	4	— 4	76
	15	—	—	—	—	—	—	—	—	—	—	—	—	—
	16	—	—	—	—	—	—	—	—	—	—	—	—	—
	17	4	— 1	1	4	4	3	0	1	— 1	— 1	— 1	— 1	54
	18	2	— 1	3	4	1	0	— 2	— 1	— 4	— 1	— 3	— 1	50
	19	— 3	— 1	4	3	— 3	1	1	1	2	2	1	0	49
	20	— 4	— 6	— 4	2	7	5	4	4	3	3	2	1	73
	21	— 5	— 2	— 12	— 1	4	12	12	9	6	3	2	3	118
	22	18	25	8	— 11	— 7	— 1	4	12	2	1	0	— 6	154
	23	1	— 3	— 1	0	4	3	6	3	3	— 1	— 2	— 3	57
	24	— 6	— 14	— 12	— 3	1	2	10	5	7	4	5	1	100
	25	6	0	— 1	— 2	2	7	5	3	5	4	0	— 6	86
	26	— 4	4	7	7	6	4	1	— 1	0	0	1	2	72
	27	— 9	— 15	— 7	5	9	7	4	3	6	5	2	0	98
	28	— 10	— 13	— 2	1	2	2	3	2	4	6	4	5	78
	29	— 13	— 16	— 12	— 2	3	1	5	6	8	8	6	4	124
	30	— 1	0	2	5	3	3	4	3	6	5	3	3	91
	31	— 3	— 10	— 5	— 1	4	5	4	4	6	3	1	1	87

Hourly Amount.	192	201	146	98	108	89	93	85	91	83	59	62	2392
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HORIZONTAL FORCE. D.

DEVIATIONS. — UNITY = 0.00001 C. G. S.

Mean Batavia Time.	1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—	
AUGUST.	1	1	— 1	0	— 2	— 1	— 4	— 3	— 2	— 8	— 3	1	6	—
	2	1	— 1	2	— 1	— 4	— 5	— 4	0	3	— 4	— 6	— 12	—
	3	0	— 1	0	— 1	— 3	— 1	3	3	0	— 3	— 3	— 8	—
	4	— 3	1	2	0	— 3	0	0	— 8	— 10	— 7	— 3	1	—
	5	— 2	— 2	— 3	7	5	3	5	6	1	3	— 2	— 6	—
	6	— 3	— 3	— 1	2	2	— 2	— 2	— 1	0	— 3	— 5	— 7	—
	7	— 3	— 4	— 3	3	2	4	7	12	4	4	8	6	—
	8	— 2	— 2	— 3	— 2	— 4	— 2	3	5	7	10	6	— 6	—
	9	— 8	17	7	— 10	— 7	— 8	— 16	— 15	— 14	— 8	— 13	— 9	—
	10	— 40	15	15	8	24	19	5	— 2	— 3	— 23	— 12	— 7	—
	11	11	6	— 2	— 3	— 4	— 6	1	1	1	— 1	— 1	6	—
	12	— 2	— 1	— 3	— 5	— 1	0	0	1	1	3	3	0	—
	13	— 8	— 6	— 2	— 3	— 6	— 6	— 14	— 8	— 1	1	11	3	—
	14	— 5	— 5	8	— 3	3	1	— 6	— 12	— 8	0	0	0	—
	15	— 11	— 6	— 5	— 3	—	—	—	—	—	—	—	—	—
	16	—	—	—	—	—	—	—	—	—	—	—	—	—
	17	— 2	— 4	0	9	— 2	— 1	2	9	15	11	5	— 4	—
	18	— 4	— 2	1	— 2	— 1	0	1	0	2	6	— 3	— 8	—
	19	— 4	— 4	— 4	— 1	3	5	9	1	7	0	— 3	— 2	—
	20	1	— 2	— 1	— 2	— 2	0	— 1	— 2	5	5	3	— 2	—
	21	6	13	7	6	12	8	0	7	5	9	2	— 19	—
	22	— 6	16	7	6	7	6	10	11	9	7	5	5	—
	23	— 2	— 3	— 3	6	— 3	1	5	22	7	2	1	— 7	—
	24	6	1	— 2	— 4	— 2	2	0	5	5	1	0	1	—
	25	— 1	— 1	— 4	— 6	3	0	— 3	4	5	7	6	2	—
	26	— 8	— 10	— 6	— 1	2	7	7	9	1	— 7	4	3	—
	27	1	— 2	— 6	0	— 5	— 5	— 1	— 7	— 9	— 9	— 4	3	—
	28	— 3	— 4	— 3	— 2	— 1	— 1	— 1	0	4	3	— 1	0	—
	29	0	— 2	1	— 1	0	— 2	— 2	1	3	3	5	1	—
	30	0	2	1	0	2	1	0	0	2	4	7	2	—
	31	0	— 3	— 5	— 5	— 4	— 4	0	1	4	1	3	3	—
Hourly Amount.	114	140	107	95	118	104	111	155	144	148	126	139	—	
Mean Batavia Time.	1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily Amount.	
AUGUST.	1	9	7	0	0	0	3	3	2	4	3	1	2	66
	2	— 6	— 8	— 8	— 6	— 1	3	2	2	2	0	— 1	— 1	82
	3	— 1	5	5	6	1	3	0	— 2	3	— 4	— 3	— 1	60
	4	6	12	18	13	3	— 8	— 5	— 3	— 2	— 3	1	1	113
	5	— 7	— 7	— 1	— 1	1	4	0	— 1	0	— 1	— 5	— 4	77
	6	2	10	3	— 1	— 1	8	— 2	1	— 4	— 7	— 10	— 12	92
	7	— 2	— 8	1	3	2	6	8	10	7	— 7	— 12	— 4	130
	8	2	0	2	8	20	— 2	— 20	9	7	— 3	— 5	— 1	131
	9	9	20	21	20	— 5	— 24	— 27	— 33	— 16	20	1	— 5	333
	10	— 2	9	8	— 6	— 5	2	0	1	— 4	— 8	— 2	— 4	194
	11	1	7	1	— 1	— 1	3	— 1	0	0	— 4	— 4	— 2	64
	12	0	2	— 4	— 8	— 6	— 3	1	0	1	9	10	5	69
	13	6	4	17	12	9	4	— 1	— 9	— 3	2	0	— 5	141
	14	0	13	3	— 5	— 9	— 10	— 1	1	— 1	— 3	— 4	8	109
	15	—	—	—	—	—	—	—	—	—	—	—	—	25
	16	—	—	—	—	—	—	—	— 5	— 3	— 1	0	— 1	10
	17	— 11	— 15	— 9	— 5	— 3	1	3	3	4	4	5	5	123
	18	— 4	— 6	— 12	— 6	0	3	4	5	8	1	— 1	— 7	87
	19	— 1	— 5	— 2	— 3	— 3	1	2	— 1	1	— 1	3	7	73
	20	— 3	— 5	— 5	— 2	4	5	3	1	3	3	11	8	79
	21	— 17	— 14	— 5	3	3	— 21	— 18	— 14	— 8	2	— 8	— 13	220
	22	— 18	— 42	— 17	2	9	11	8	— 21	20	— 7	— 6	— 3	259
	23	— 13	— 5	— 1	0	— 8	— 11	— 10	— 1	0	9	16	10	146
	24	5	3	3	— 3	1	4	0	0	— 3	— 6	— 6	— 2	65
	25	— 7	— 5	— 5	— 2	— 2	— 2	— 1	— 1	2	3	0	6	78
	26	1	5	4	3	2	3	3	4	3	4	3	1	101
	27	4	6	4	— 8	0	2	2	2	— 3	— 1	1	1	86
	28	1	2	6	6	2	1	1	2	2	— 2	— 4	— 5	57
	29	2	— 5	— 8	— 11	— 2	0	2	4	4	4	4	3	70
	30	— 6	— 10	— 7	— 3	— 2	— 2	— 1	0	1	1	— 2	— 3	59
	31	— 1	— 3	— 3	— 2	1	3	4	4	4	5	7	3	73
Hourly Amount.	147	243	183	149	106	153	133	142	123	124	135	133	3272	

VERTICAL FORCE. D.

DEVIATIONS. — UNITY = 0.00001 C.G.S.

Mean Batavia Time.	1 A.M.	2	3	4	5	6	7	8	9	10	11	12	—	
AUGUST.	1	3	4	3	6	6	7	6	— 2	— 6	— 4	— 8	— 9	—
	2	— 5	— 4	— 4	— 3	0	— 5	— 6	11	8	6	7	6	—
	3	3	3	1	1	3	0	— 6	— 4	— 1	— 2	2	2	—
	4	0	— 3	— 3	0	1	— 1	0	4	6	— 2	— 5	— 5	—
	5	3	3	5	— 1	0	0	0	0	0	— 3	— 5	2	—
	6	— 1	— 3	— 1	1	2	0	1	4	3	7	13	9	—
	7	4	2	4	3	3	3	3	— 8	— 4	— 1	4	7	—
	8	— 3	— 4	— 5	— 5	— 6	— 5	— 4	7	12	6	7	— 3	—
	9	2	— 4	1	5	2	5	8	— 5	— 8	— 4	2	5	—
	10	— 7	— 13	— 14	— 10	— 14	— 13	— 5	19	17	23	14	1	—
	11	— 3	— 2	3	2	4	4	0	1	1	0	0	— 9	—
	12	3	6	7	8	6	8	10	9	8	8	3	— 4	—
	13	2	6	6	9	5	7	11	3	6	9	— 4	— 12	—
	14	1	4	4	6	8	14	19	19	15	— 3	— 18	— 10	—
	15	3	1	0	0	—	—	—	—	—	—	—	—	—
	16	—	—	—	—	—	—	—	—	—	—	—	—	—
	17	1	4	3	4	5	8	11	— 4	— 5	— 4	— 3	— 1	—
	18	— 3	— 3	— 3	— 4	— 1	— 3	— 1	8	2	— 12	— 12	— 2	—
	19	2	0	— 2	— 3	— 6	— 6	— 7	— 3	2	— 1	4	3	—
	20	— 2	0	3	7	8	10	16	11	5	— 2	— 1	1	—
	21	— 2	— 9	— 7	— 6	— 10	—	—	—	—	—	—	—	—
	22	—	—	—	—	—	—	—	—	—	—	—	—	—
	23	2	0	— 2	— 11	— 1	0	3	— 3	— 20	— 15	— 8	— 4	—
	24	— 3	— 2	1	0	— 2	— 5	5	3	8	5	1	— 1	—
	25	7	3	5	1	— 6	— 1	— 1	0	2	— 5	— 8	— 11	—
	26	4	2	— 2	— 4	— 6	— 8	— 2	6	6	23	15	— 1	—
	27	3	3	1	— 2	— 4	— 4	0	5	5	— 8	1	5	—
	28	—	—	—	—	—	—	—	—	—	—	—	—	—
	29	—	—	—	—	—	—	—	—	—	—	—	—	—
	30	—	—	—	—	—	—	—	—	—	—	—	—	—
	31	11	10	8	7	2	2	2	— 8	— 22	— 13	— 1	4	—
Hourly Amount.	83	98	98	109	111	119	127	147	172	166	146	117	—	
Mean Batavia Time.	1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily Amount	
AUGUST.	1	— 4	— 1	5	7	1	1	0	— 4	— 3	— 2	— 2	— 5	99
	2	— 7	— 9	— 11	— 5	— 2	0	2	— 2	2	6	6	— 6	123
	3	0	1	7	5	3	2	0	— 1	— 2	0	1	— 1	51
	4	— 3	0	— 2	— 5	— 4	6	5	5	4	2	1	— 1	68
	5	— 1	— 2	— 1	0	0	— 10	— 4	— 2	— 1	— 1	— 1	— 3	48
	6	— 6	— 9	— 6	— 3	— 1	1	2	3	5	7	5	7	100
	7	— 3	— 10	— 5	— 1	— 3	— 3	— 5	— 6	— 6	— 1	5	— 2	96
	8	— 9	— 5	0	3	— 3	1	15	1	2	8	10	4	128
	9	— 2	— 9	0	— 3	3	10	12	10	0	— 15	— 10	— 8	133
	10	— 6	— 10	— 9	— 1	0	— 3	0	— 1	2	4	0	2	188
	11	— 3	0	4	4	0	— 1	— 1	0	— 1	0	4	6	53
	12	— 6	— 14	— 18	— 14	— 7	— 5	— 5	— 3	— 2	— 1	— 2	1	158
	13	— 18	— 5	— 1	1	2	— 3	— 5	— 4	— 5	— 1	— 6	2	133
	14	— 8	— 7	— 9	— 3	— 2	0	— 4	— 6	— 6	— 4	0	0	170
	15	—	—	—	—	—	—	—	—	—	—	—	—	4
	16	—	—	—	—	—	—	—	— 3	— 6	— 4	— 4	— 1	18
	17	2	— 1	0	— 3	— 2	1	0	— 1	— 1	— 3	— 2	— 4	73
	18	3	7	6	2	1	2	4	4	1	1	0	1	86
	19	8	2	— 2	3	3	— 3	— 1	0	0	— 2	0	— 3	66
	20	— 5	— 8	— 11	— 13	— 14	— 8	— 1	1	0	0	— 1	— 3	131
	21	—	—	—	—	—	—	—	—	—	—	—	—	34
	22	—	—	—	—	—	—	—	—	—	—	6	4	10
	23	7	10	0	— 1	5	11	5	0	2	0	— 6	0	116
	24	— 4	— 3	— 8	— 15	— 10	— 7	0	2	3	8	8	7	111
	25	4	7	6	— 1	— 3	— 2	1	0	1	1	2	0	78
	26	— 10	— 10	— 14	— 11	— 6	— 2	1	2	1	2	3	5	146
	27	10	12	5	1	— 7	1	2	—	—	—	—	—	79
	28	—	—	—	—	—	—	—	—	—	—	—	—	—
	29	—	—	—	—	—	—	—	—	—	—	—	—	—
	30	—	—	—	—	—	—	— 1	0	1	7	10	12	31
	31	16	18	12	5	2	0	1	1	1	2	1	5	154
Hourly Amount.	145	160	142	110	84	83	77	62	58	82	96	93	2685	

EASTERLY DECLINATION. D.

DEVIATIONS — UNITY = 0°.1.

Mean Batavia Time.		1 A.M.	2	3	4	5	6	7	8	9	10	11	12	—
SEPTEMBER.	1	2	0	0	2	7	12	14	8	1	— 5	— 7	— 7	—
	2	3	5	4	3	4	4	10	3	— 4	— 6	— 6	— 13	—
	3	0	0	3	4	7	16	20	16	10	7	— 7	— 18	—
	4	— 1	0	1	2	3	7	18	16	12	6	— 4	— 14	—
	5	— 3	0	0	0	3	6	15	10	5	0	— 3	— 8	—
	6	— 2	0	0	— 1	— 1	6	13	10	8	2	— 1	1	—
	7	0	5	6	1	3	5	5	0	2	1	0	— 1	—
	8	6	6	5	6	7	14	19	12	7	3	— 6	— 12	—
	9	5	3	4	4	6	13	22	24	15	7	— 9	— 26	—
	10	1	3	2	3	4	4	13	16	5	0	— 11	— 25	—
	11	— 8	3	— 1	1	— 2	10	16	12	12	3	— 4	— 12	—
	12	0	— 4	— 2	— 4	0	5	13	9	6	— 1	— 6	— 8	—
	13	— 1	— 1	— 1	2	1	3	7	8	1	0	— 4	— 3	—
	14	— 4	— 2	— 6	— 6	— 3	10	22	20	12	3	— 2	— 16	—
	15	— 6	— 1	— 6	— 3	8	12	17	20	12	2	— 6	— 16	—
	16	— 2	— 3	— 3	— 4	— 1	4	8	0	1	0	— 0	— 1	—
	17	3	— 1	2	1	— 1	3	6	1	— 3	— 4	— 1	— 1	—
	18	— 2	2	4	— 2	— 9	— 1	10	1	— 12	— 11	— 6	4	—
	19	2	3	3	1	— 2	— 2	— 7	— 5	— 7	— 3	2	0	—
	20	— 6	— 6	— 6	6	6	9	14	— 7	— 9	— 3	1	4	—
	21	0	2	— 1	— 1	— 6	— 3	— 7	— 7	— 10	— 7	3	7	—
	22	3	1	1	2	2	6	6	— 1	— 5	— 7	— 3	— 9	—
	23	4	3	2	2	2	— 1	— 4	— 5	— 9	— 6	— 2	— 4	—
	24	3	2	2	2	— 1	— 1	— 2	1	— 3	— 14	— 4	4	—
	25	6	7	6	6	4	3	4	0	— 8	— 16	— 18	— 17	—
	26	2	2	0	2	1	6	11	8	1	— 2	— 6	— 7	—
	27	—	—	—	—	—	—	—	—	—	—	—	—	—
	28	—	—	—	—	—	—	—	—	—	—	—	—	—
	29	1	1	— 1	1	0	6	3	— 6	— 14	— 3	1	0	—
	30	0	1	2	— 1	— 1	— 1	— 7	— 5	— 2	2	— 3	— 4	—
Hourly Amount.		76	67	74	73	95	173	313	231	196	124	126	242	—
Mean Batavia Time.		1 P.M.	2	3	4	5	6	7	8	9	10	11	12	Daily Amount.
SEPTEMBER.	1	— 4	— 7	— 5	0	6	— 1	— 4	— 3	— 1	— 2	0	3	101
	2	— 12	— 7	— 1	7	10	1	— 1	— 6	— 4	— 2	0	1	117
	3	— 29	— 23	— 14	— 1	6	2	— 1	— 1	— 1	— 4	— 2	0	192
	4	— 23	— 20	— 7	6	7	2	— 1	— 2	— 2	— 1	— 1	— 2	158
	5	— 14	— 16	— 6	— 1	2	2	4	3	1	0	0	— 1	103
	6	— 8	— 12	— 12	— 10	— 1	— 1	0	1	1	3	3	4	101
	7	— 4	— 11	— 11	— 3	— 4	— 5	— 3	— 4	— 4	— 2	4	3	87
	8	— 20	— 24	— 17	— 11	— 3	— 1	1	0	2	3	4	5	194
	9	— 32	— 27	— 9	— 2	1	— 1	— 1	1	3	4	3	7	229
	10	— 22	— 5	— 4	7	8	— 1	3	0	— 1	— 3	— 1	— 7	149
	11	— 14	— 10	6	6	8	1	— 1	2	— 11	— 4	— 5	— 3	155
	12	— 10	— 3	1	6	7	1	1	0	1	— 5	— 4	— 3	100
	13	— 1	7	— 5	2	2	5	1	4	5	— 2	— 2	— 4	72
	14	— 18	— 18	— 11	— 7	1	— 3	0	1	1	1	2	0	169
	15	— 21	— 16	— 8	— 2	2	0	3	5	4	4	2	0	176
	16	— 6	— 8	— 3	0	1	1	2	1	2	1	2	2	56
	17	2	— 2	— 4	— 1	1	4	1	4	4	0	3	— 2	55
	18	9	— 1	— 3	— 2	— 2	0	0	2	2	— 1	1	4	91
	19	— 7	— 1	14	13	19	3	— 3	— 5	— 5	— 6	— 3	— 2	118
	20	5	1	0	1	— 3	— 1	0	0	2	0	2	2	94
	21	5	4	4	2	5	2	2	— 2	1	1	1	2	85
	22	— 8	— 6	— 5	— 6	— 2	1	2	4	5	6	6	5	102
	23	0	2	— 1	— 5	— 1	1	1	4	3	5	4	4	75
	24	0	1	3	— 5	— 7	0	0	2	5	8	5	7	82
	25	— 12	— 6	4	7	4	1	— 2	— 2	1	2	— 1	1	138
	26	— 4	— 5	0	0	— 3	1	— 1	—	—	—	—	—	62
	27	—	—	—	—	—	—	—	—	—	—	—	—	—
	28	—	—	—	— 6	— 5	— 1	— 2	0	1	3	3	3	24
	29	6	12	7	1	— 6	— 4	1	— 2	0	2	1	0	79
	30	2	4	3	2	0	2	1	2	0	6	8	4	63
Hourly Amount.		298	259	163	122	127	49	43	63	73	81	73	81	3227

HORIZONTAL FORCE. D.

DEVIATIONS. — UNITY = 0.00001 C. G. S.

Mean Batavia Time.	1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—	
SEPTEMBER.	1	4	— 2	0	— 1	— 4	— 2	0	0	3	— 2	— 1	— 1	—
	2	— 7	— 3	— 1	3	1	3	6	8	4	1	— 1	— 11	—
	3	3	4	2	1	— 1	— 3	8	17	19	2	— 4	— 15	—
	4	— 3	— 5	— 3	2	— 1	— 2	2	5	4	— 5	— 1	— 2	—
	5	— 1	0	— 1	— 4	— 5	— 1	— 2	5	4	6	— 1	— 2	—
	6	— 2	— 4	— 5	0	— 2	3	8	5	6	6	12	— 6	—
	7	3	— 9	— 7	7	7	3	6	9	3	3	— 2	11	—
	8	2	1	2	0	— 1	— 1	5	9	7	5	5	— 2	—
	9	— 2	0	— 6	— 10	— 13	— 13	— 13	4	6	8	2	— 4	—
	10	6	2	3	5	7	9	6	5	— 8	— 14	— 9	— 1	—
	11	11	10	15	13	8	18	10	4	— 2	— 3	— 4	— 2	—
	12	4	5	3	0	5	1	2	3	— 3	3	— 3	0	—
	13	4	4	2	2	1	— 3	— 1	2	10	3	2	9	—
	14	15	16	18	19	14	11	9	1	— 3	— 1	— 20	— 17	—
	15	2	2	11	19	5	20	13	2	8	4	— 11	— 22	—
	16	5	2	3	— 1	1	0	7	7	5	4	1	0	—
	17	— 1	— 2	— 4	— 8	— 5	— 8	— 3	— 4	— 7	1	4	12	—
	18	31	36	23	40	29	— 9	8	— 8	— 16	— 49	— 57	— 35	—
	19	30	43	19	8	10	— 8	— 7	6	5	3	17	— 8	—
	20	— 4	— 2	— 2	— 1	3	— 1	0	— 1	3	0	1	— 1	—
	21	2	— 5	— 3	— 5	— 6	— 2	— 7	— 6	— 5	— 3	0	3	—
	22	— 4	— 2	— 2	2	9	5	9	5	1	— 3	— 1	— 2	—
	23	— 1	1	2	— 1	— 2	— 2	0	2	2	0	— 4	3	—
	24	2	3	2	— 2	1	— 5	— 15	— 8	— 7	— 4	2	11	—
	25	1	— 2	— 2	— 6	— 7	— 11	— 13	— 15	— 14	— 5	9	20	—
	26	4	2	1	— 4	— 6	— 9	— 4	— 7	— 9	— 7	2	8	—
	27	2	1	0	— 4	— 6	— 7	1	6	3	0	— 3	— 1	—
	28	— 2	— 3	— 2	— 3	— 2	— 3	7	8	5	1	1	2	—
	29	— 3	— 7	— 1	— 7	— 2	— 6	— 5	— 6	3	— 5	— 1	8	—
	30	— 1	— 2	— 3	— 4	— 5	— 10	1	— 4	— 2	— 1	0	— 3	—

Hourly Amount.	162	180	148	182	169	179	178	172	177	152	181	222	—
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Mean Batavia time.	1 P.M.	2	3	4	5	6	7	8	9	10	11	12	Daily Amount	
SEPTEMBER.	1	— 6	0	2	4	2	5	8	0	— 5	— 6	— 1	— 1	60
	2	— 6	— 7	— 8	— 3	1	1	7	9	4	1	— 6	— 3	105
	3	— 10	— 4	— 3	— 2	— 6	— 2	3	4	— 1	1	— 5	— 2	122
	4	0	2	2	— 2	— 2	— 4	1	5	5	4	2	— 1	65
	5	1	— 2	4	1	0	2	3	3	0	— 1	— 3	— 5	57
	6	— 13	— 11	— 13	1	6	5	6	4	— 2	— 6	— 7	0	133
	7	— 9	— 8	— 8	— 4	1	3	4	1	— 2	2	0	2	114
	8	— 13	— 9	— 3	— 2	— 2	0	1	3	6	6	4	— 3	92
	9	— 10	— 4	10	12	10	8	7	7	9	6	7	4	175
	10	6	1	— 9	— 30	— 30	— 18	— 9	— 7	— 7	1	2	15	210
	11	— 16	1	— 5	— 11	— 23	— 17	— 3	— 6	3	9	8	3	205
	12	6	10	— 2	— 6	— 8	— 1	— 2	— 2	— 6	— 2	5	1	83
	13	0	— 3	— 4	1	2	— 2	— 7	— 12	— 17	— 2	13	14	120
	14	— 17	— 11	— 15	— 17	— 15	— 21	— 3	— 1	2	— 8	— 4	— 10	268
	15	— 1	— 7	— 6	0	4	10	— 2	— 9	— 12	— 12	— 4	— 2	188
	16	— 2	— 5	— 5	— 2	2	2	0	1	0	0	— 1	— 1	57
	17	8	19	17	12	0	13	16	16	0	5	9	19	193
	18	— 41	— 50	— 52	— 57	— 43	— 10	— 7	— 7	32	17	17	13	687
	19	— 16	— 7	7	7	3	— 4	— 5	— 5	— 6	— 2	1	— 1	228
	20	3	— 2	1	2	9	7	1	— 2	— 3	— 3	— 2	— 3	57
	21	6	7	9	7	2	6	3	— 3	— 5	— 12	— 2	— 4	113
	22	1	0	2	— 1	0	0	3	— 2	— 3	— 5	— 2	— 3	67
	23	0	— 8	— 14	— 8	— 3	0	5	7	8	5	4	4	86
	24	8	— 1	— 9	— 6	— 1	3	6	9	8	5	2	0	120
	25	19	7	— 5	— 5	1	5	7	12	9	2	— 1	— 2	180
	26	1	6	1	— 6	— 4	— 9	— 7	— 5	0	1	2	1	106
	27	1	5	7	3	5	0	3	5	5	4	1	1	74
	28	— 6	— 3	— 2	— 2	1	4	4	0	6	6	2	0	75
	29	5	— 1	0	2	5	5	2	0	0	— 3	— 2	— 2	81
	30	2	4	2	7	22	16	17	19	22	— 6	— 29	— 19	201

Hourly Amount.	233	205	227	223	213	183	152	166	188	143	148	139	4322
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VERTICAL FORCE. D.

DEVIATIONS. — UNITY = 0.0001 C. G. S.

Mean Batavia Time.		1 A.M.	2	3	4	5	6	7	8	9	10	11	12	—
SEPTEMBER.	1	— 3	3	0	— 2	— 2	— 9	—19	—14	—14	— 5	8	10	—
	2	—	—	—	—	—	—	—	—	—	—	—	—	—
	3	—	—	—	—	—	—	—	—	—	—	—	—	—
	4	—	—	—	—	—	—	—	—	—	—	—	—	—
	5	— 3	— 6	— 8	— 7	— 7	—13	—18	—17	— 9	— 2	4	23	—
	6	0	2	1	— 4	— 4	—16	—25	—17	— 8	— 4	7	21	—
	7	— 3	1	1	— 7	—10	—10	—13	—15	—12	— 9	2	11	—
	8	—	—	—	—	—	—	—	—	—	—	—	—	—
	9	—	—	—	—	—	—	—	—	—	—	—	—	—
	10	—	—	—	—	—	—	—	—	—	—	—	—	—
	11	—	—	—	—	—	—	—	—	—	—	—	—	—
	12	—	—	—	—	—	—	—	—	—	—	—	—	—
	13	— 1	0	— 1	0	— 3	— 7	—17	—20	—23	—14	1	8	—
	14	—	—	—	—	—	—	—	—	—	—	—	—	—
	15	1	— 1	0	—13	— 6	—19	—12	— 2	2	8	14	16	—
	16	— 1	3	6	11	12	8	4	—28	—19	—11	— 6	9	—
	17	—12	—15	—16	—15	—18	—22	—24	—20	—16	—17	—24	26	—
	18	—21	—25	—16	—21	—10	4	9	74	56	55	37	— 2	—
	19	—17	—21	— 6	0	1	7	13	17	10	— 4	—17	— 2	—
	20	4	2	2	3	2	4	3	5	— 6	—11	— 5	— 1	—
	21	5	10	10	16	16	13	15	— 4	3	5	— 3	— 3	—
	22	— 3	— 7	— 7	—12	—15	—20	—17	0	4	7	6	— 4	—
	23	4	1	2	3	3	3	3	8	9	1	— 1	— 2	—
	24	5	6	6	10	10	12	16	— 3	— 5	—12	—15	—16	—
	25	— 1	3	1	3	4	1	— 6	23	28	19	3	—14	—
	26	—	—	—	—	—	—	—	—	—	—	—	—	—
	27	—	—	—	—	—	—	—	—	—	—	—	—	—
	28	—	—	—	—	—	—	—	—	—	—	—	—	—
	29	7	15	17	27	29	31	34	4	3	1	4	— 4	—
	30	— 4	— 1	1	2	4	5	0	— 2	— 8	— 7	— 2	0	—
Hourly Amount.		95	122	101	156	156	204	248	273	235	192	159	172	—
Mean Batavia Time.		1 P.M.	2	3	4	5	6	7	8	9	10	11	12	Daily Amount.
SEPTEMBER.	1	13	6	7	5	4	5	2	2	3	1	— 2	— 2	141
	2	—	—	—	—	—	—	—	—	—	—	—	—	—
	3	—	—	—	—	—	—	—	—	—	—	—	—	—
	4	—	—	—	—	—	—	—	—	—	—	—	—	—
	5	22	21	7	— 3	— 2	3	5	5	8	6	6	4	209
	6	36	28	24	1	— 6	— 6	— 7	— 6	— 2	0	3	0	228
	7	10	19	15	9	5	1	0	3	2	— 3	— 3	— 4	168
	8	—	—	—	—	—	—	—	—	—	—	—	—	—
	9	—	—	—	—	—	—	—	—	—	—	—	—	—
	10	—	—	—	—	—	—	—	—	—	—	—	—	—
	11	—	—	—	—	—	—	—	—	—	—	—	—	—
	12	—	—	—	—	—	—	—	—	—	—	—	—	—
	13	17	24	16	11	2	— 1	3	7	4	— 3	—14	— 9	206
	14	—	—	—	—	—	—	—	—	—	—	—	—	—
	15	5	— 6	— 6	— 9	— 8	— 3	2	8	12	15	11	11	190
	16	13	11	0	— 6	— 4	1	5	2	— 2	— 5	— 3	— 6	176
	17	28	21	20	20	22	7	2	— 8	— 6	—10	—16	—20	405
	18	— 3	— 1	— 9	— 4	— 3	—13	— 7	2	—23	— 7	— 5	— 3	410
	19	4	6	— 3	— 7	— 3	— 1	2	3	8	6	6	3	167
	20	— 3	0	0	— 3	— 6	— 6	— 2	2	1	1	2	7	81
	21	— 8	—17	— 9	— 6	0	1	— 6	4	5	10	3	1	173
	22	1	4	4	2	— 3	— 3	— 4	— 3	1	1	2	4	134
	23	— 4	— 2	5	10	6	0	— 1	— 3	— 1	4	7	7	90
	24	0	3	6	5	— 2	— 6	— 7	— 8	—10	— 8	— 6	— 2	179
	25	—26	—31	—23	—17	— 9	— 7	— 5	— 7	— 2	5	4	2	244
	26	—	—	—	—	—	—	—	—	—	—	—	—	—
	27	—	—	—	—	—	—	—	—	—	—	—	—	—
	28	—	—	—	—	—	—	—	—	—	—	—	—	—
	29	—11	—13	—10	— 6	— 4	— 6	— 5	— 9	—10	— 4	— 6	— 5	265
	30	1	— 4	— 2	— 8	—15	— 7	— 6	— 7	—11	10	22	14	143
Hourly Amount.		205	217	166	132	104	77	71	89	111	99	121	104	3609

EASTERLY DECLINATION. D.

DEVIATIONS. — UNITY = 0'. 1.

Mean Batavia Time.	1 A.M.	2	3	4	5	6	7	8	9	10	11	12	—	
OCTOBER.	1	1	0	1	0	— 1	— 4	—11	—10	—13	— 7	3	5	—
	2	— 2	— 3	— 3	— 4	— 6	—11	— 2	7	—21	11	29	7	—
	3	— 5	0	1	10	11	8	—13	—10	— 3	10	9	4	—
	4	5	5	4	3	— 1	— 7	—18	—14	— 5	4	6	1	—
	5	3	2	1	— 3	— 5	— 9	—14	—13	— 4	6	11	9	—
	6	1	2	1	2	3	— 5	—10	—13	—10	— 9	— 1	— 1	—
	7	0	1	— 1	— 2	0	— 8	—16	—11	— 5	9	11	11	—
	8	1	— 9	— 1	7	5	— 3	— 8	—14	— 2	3	5	6	—
	9	— 3	— 4	— 2	— 2	0	3	2	1	3	— 1	1	1	—
	10	0	— 5	1	1	1	— 2	— 2	— 1	— 6	—11	— 8	— 3	—
	11	1	1	2	2	3	4	0	0	— 9	—10	—11	— 3	—
	12	4	5	4	2	0	— 1	— 2	— 4	— 1	— 6	— 8	—11	—
	13	1	— 1	— 1	— 3	— 1	— 4	— 8	— 7	— 5	— 3	2	5	—
	14	3	0	— 2	— 5	—11	—13	—16	— 7	1	3	0	2	—
	15	— 7	— 1	—11	1	1	— 7	— 8	— 5	2	3	3	1	—
	16	— 3	— 4	— 2	— 2	— 9	—10	— 4	— 2	3	— 1	— 2	9	—
	17	— 2	0	0	— 2	— 5	— 9	—10	— 4	2	3	0	— 6	—
	18	2	3	2	— 1	— 3	— 5	—16	—17	— 8	— 1	0	8	—
	19	1	— 1	— 1	— 3	— 4	— 5	—12	— 6	— 4	— 8	1	9	—
	20	2	2	4	3	1	5	0	1	— 1	— 3	— 7	— 5	—
	21	2	— 1	— 1	— 2	0	— 2	2	— 7	— 5	— 3	— 1	5	—
	22	— 1	— 1	0	2	5	3	— 4	— 7	— 4	— 7	— 5	— 1	—
	23	— 1	1	1	3	5	8	7	9	15	13	14	13	—
	24	9	8	7	7	8	10	14	13	8	3	3	7	—
	25	— 6	— 7	— 8	—10	— 8	—10	— 4	4	2	2	9	25	—
	26	— 2	— 6	— 6	— 9	—10	—21	—21	— 6	5	5	13	12	—
	27	— 7	—10	— 9	—11	— 8	—11	— 7	0	8	12	13	15	—
	28	0	— 4	— 4	— 8	— 8	—12	—16	— 5	3	8	15	17	—
	29	— 5	— 6	—10	— 8	— 9	—15	—10	0	6	13	19	20	—
	30	— 9	0	— 6	2	5	0	—10	— 3	2	7	10	16	—
	31	— 3	— 1	— 1	— 2	— 6	—12	—14	— 9	— 1	6	9	18	—
Hourly Amount.	92	94	98	122	143	227	281	210	167	191	229	256	—	
Mean Batavia Time.	1 P.M.	2	3	4	5	6	7	8	9	10	11	12	Daily Amount.	
OCTOBER.	1	2	3	5	2	3	1	— 1	— 1	0	0	— 2	79	
	2	6	8	10	10	— 2	—10	—11	—12	2	—10	— 7	196	
	3	3	5	1	— 5	— 8	— 5	— 4	1	0	6	3	130	
	4	4	7	0	— 7	— 8	— 1	— 1	0	5	5	6	120	
	5	10	8	6	4	0	— 2	— 1	— 2	1	4	2	121	
	6	6	8	1	— 3	— 2	1	— 1	1	3	3	4	92	
	7	15	25	12	3	— 7	— 2	—15	— 5	— 7	— 9	— 1	181	
	8	12	11	5	1	0	— 1	— 1	— 2	— 3	— 1	— 3	107	
	9	1	8	7	6	— 1	— 1	0	1	3	— 1	— 2	54	
	10	5	9	9	4	— 1	— 3	— 2	— 1	2	1	1	79	
	11	7	10	4	1	— 4	— 1	— 1	1	1	4	3	86	
	12	—11	— 6	2	2	6	3	5	4	4	5	4	102	
	13	5	4	3	— 4	— 1	3	1	2	4	6	3	81	
	14	7	16	10	10	5	1	1	0	0	1	— 5	122	
	15	0	0	1	1	2	1	5	3	4	1	1	73	
	16	13	8	7	3	1	1	1	— 2	— 3	— 1	— 2	94	
	17	— 2	3	2	2	7	6	7	4	4	— 2	3	5	90
	18	9	2	0	0	1	2	5	3	2	4	3	4	101
	19	8	5	0	— 1	— 1	5	10	— 1	— 3	— 4	— 3	1	97
	20	2	— 5	— 7	—11	— 6	0	4	4	3	— 1	4	3	84
	21	6	5	6	4	4	2	2	3	— 1	— 1	0	— 3	68
	22	1	1	— 1	— 2	— 1	1	2	1	2	1	0	1	54
	23	18	—10	—13	—20	—23	—18	—19	—19	—17	—18	—19	—19	303
	24	9	5	0	— 7	— 5	— 4	1	2	3	3	1	— 2	139
	25	27	10	— 1	— 3	— 5	— 2	— 1	2	1	6	1	— 2	156
	26	7	10	9	11	10	7	1	0	— 9	— 6	— 6	— 7	199
	27	10	6	4	3	— 1	— 2	— 1	0	— 3	0	0	0	141
	28	17	6	3	0	0	1	1	1	— 3	— 3	— 3	— 6	144
	29	12	10	5	— 4	— 9	— 2	— 6	— 5	— 4	— 5	— 1	— 7	191
	30	17	10	4	— 1	— 3	— 3	— 2	— 3	— 3	— 3	— 3	— 1	123
	31	12	8	0	— 4	— 1	— 3	1	2	1	— 1	— 2	— 2	119
Hourly Amount.	264	232	138	139	128	97	114	88	102	108	99	107	3726	

HORIZONTAL FORCE. D.

DEVIATIONS. — UNITY = 0.00001 C. G. S.

Mean Batavia Time.	1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—	
OCTOBER.	1	— 6	— 7	—10	— 3	— 4	— 5	— 4	— 3	0	— 1	6	— 2	—
	2	17	15	20	20	28	67	57	35	3	—52	—92	—46	—
	3	22	10	9	25	15	31	— 6	— 3	—13	—18	—18	— 8	—
	4	— 3	— 4	— 2	— 1	0	3	— 3	— 4	— 9	— 6	5	8	—
	5	— 2	— 3	1	2	4	1	— 6	—11	—11	— 3	— 4	3	—
	6	— 3	— 2	8	12	9	11	13	15	8	4	— 7	— 9	—
	7	12	21	6	— 1	0	4	— 1	0	— 1	2	9	6	—
	8	— 4	9	—11	—10	1	— 4	— 5	— 1	— 5	6	4	4	—
	9	— 1	— 1	— 1	— 4	— 2	— 3	— 6	— 4	— 3	— 4	3	4	—
	10	—17	— 2	—11	— 7	— 5	— 4	— 1	0	7	12	— 2	4	—
	11	0	— 3	— 3	— 4	— 6	— 9	—15	— 8	— 8	— 3	4	8	—
	12	2	2	2	2	— 2	— 4	— 8	—16	—12	— 8	— 1	13	—
	13	2	3	0	— 3	— 5	— 7	— 8	—11	— 8	— 5	1	8	—
	14	11	9	11	10	7	4	11	4	— 2	—10	— 4	2	—
	15	— 6	— 3	1	7	4	8	7	6	4	—13	—21	—10	—
	16	— 7	— 1	— 3	0	1	1	6	8	— 1	— 5	1	— 5	—
	17	9	3	4	3	0	— 1	— 4	— 2	— 2	— 3	— 6	— 3	—
	18	1	8	1	2	3	6	9	1	0	— 1	5	— 1	—
	19	7	8	4	— 1	— 2	— 3	— 2	— 4	—10	— 2	— 4	—10	—
	20	— 9	— 1	— 1	1	5	3	— 1	— 2	— 4	— 6	— 5	— 2	—
	21	1	3	2	2	4	11	2	— 2	— 3	— 5	— 4	— 4	—
	22	— 5	7	3	3	2	2	2	5	5	6	2	0	—
	23	— 1	1	— 2	— 3	— 2	0	3	4	4	7	1	— 2	—
	24	0	— 2	— 3	— 4	— 5	— 6	— 3	0	3	5	2	1	—
	25	4	1	4	11	9	11	9	3	11	9	4	— 9	—
	26	4	8	4	3	5	6	2	0	— 5	— 3	—11	—10	—
	27	—11	1	2	5	3	2	— 2	— 4	— 1	3	3	— 1	—
	28	— 5	— 4	— 4	— 5	— 3	— 5	— 7	— 4	7	10	5	0	—
	29	— 2	1	8	4	5	2	— 7	— 9	— 2	12	11	23	—
	30	0	—43	— 7	2	1	3	— 4	— 7	— 5	2	— 3	— 7	—
	31	1	0	— 1	— 3	— 1	0	— 6	— 1	2	6	4	— 2	—
Hourly Amount.	175	186	149	163	143	227	220	177	159	232	252	215	—	

Mean Batavia Time.	1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily Amount.	
OCTOBER.	1	— 3	— 3	0	— 1	— 1	4	2	1	— 2	— 1	8	13	90
	2	—51	—31	—36	—65	—36	—24	3	—21	— 3	—17	40	12	791
	3	5	— 3	— 6	— 3	0	0	4	4	3	— 1	— 2	— 4	213
	4	11	9	9	13	7	3	0	0	— 2	— 4	— 6	— 8	120
	5	3	3	5	1	— 3	8	0	5	— 9	—13	— 7	— 5	113
	6	—12	—14	—13	—11	— 6	— 4	—10	— 4	3	13	7	12	210
	7	— 3	—19	—17	1	1	—17	17	—13	—10	—11	8	19	199
	8	1	— 2	— 2	1	4	0	4	6	3	2	1	1	91
	9	8	5	9	8	9	9	9	8	5	— 3	1	—10	120
	10	0	—13	— 7	— 1	2	2	1	6	9	1	1	9	124
	11	7	7	5	4	5	2	2	1	1	2	3	3	113
	12	17	12	4	— 8	— 2	— 2	— 1	2	1	— 1	— 1	— 1	124
	13	9	6	5	3	2	— 3	— 5	— 5	— 2	— 1	1	3	106
	14	5	5	— 6	—25	—27	—13	0	9	11	9	1	— 7	203
	15	— 1	6	14	8	— 5	0	— 8	5	1	— 3	—10	— 8	159
	16	— 1	— 1	— 5	6	9	1	— 4	3	0	1	1	— 5	76
	17	2	12	13	7	7	— 8	—16	—23	—30	— 3	—10	— 6	177
	18	— 3	— 2	2	2	3	2	— 3	— 3	1	5	5	3	72
	19	7	1	13	16	17	3	—28	—12	—13	— 2	6	— 4	179
	20	4	11	1	5	2	1	— 1	2	1	— 2	— 4	— 4	78
	21	1	4	6	1	1	— 2	— 2	—10	— 6	—10	4	— 5	95
	22	— 6	— 8	— 5	— 3	— 5	— 5	4	5	3	0	0	1	87
	23	0	0	4	— 2	— 2	— 3	— 1	1	3	1	— 1	0	48
	24	2	0	1	1	5	5	5	4	0	— 1	— 3	— 6	67
	25	—20	—23	—10	— 3	— 2	— 1	— 7	—10	— 8	— 8	— 2	0	179
	26	— 2	11	17	17	0	—13	—23	—23	2	9	2	— 1	181
	27	4	6	8	5	4	2	0	— 2	0	0	— 2	— 4	75
	28	2	4	2	0	0	— 1	— 3	1	14	12	— 4	2	104
	29	— 2	— 4	— 7	— 6	—13	—14	0	3	6	16	16	— 4	177
	30	— 9	— 4	0	— 2	— 2	— 1	— 2	1	3	2	1	3	114
	31	0	— 4	0	1	3	1	— 2	— 3	— 1	4	3	3	52
Hourly Amount.	291	233	232	230	185	151	167	196	156	158	161	166	4537	

VERTICAL FORCE. D.
DEVIATIONS. — UNITY = 0.00001 C. G. S.

Mean Batavia Time.	1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—	
OCTOBER.	1	7	5	8	6	5	8	3	6	5	— 4	— 9	— 8	—
	2	— 7	— 7	— 9	— 12	— 15	— 39	— 37	— 15	— 21	6	68	39	—
	3	— 13	— 4	— 6	— 12	— 5	— 3	15	18	17	10	12	2	—
	4	2	— 1	— 4	— 6	— 6	— 4	3	3	— 2	— 7	— 7	— 5	—
	5	— 4	0	— 2	0	0	7	10	16	9	— 8	— 9	— 11	—
	6	6	5	1	1	3	9	9	7	7	— 2	— 4	— 8	—
	7	— 3	— 6	— 1	6	8	10	15	19	11	5	— 7	— 11	—
	8	7	— 1	11	10	5	12	11	9	3	— 4	— 6	— 14	—
	9	2	0	— 2	— 3	— 6	— 9	— 2	7	7	1	3	1	—
	10	7	1	4	2	— 2	— 3	— 4	— 3	0	— 6	0	— 1	—
	11	1	4	3	3	6	6	13	22	25	15	1	— 21	—
	12	1	3	8	14	15	18	23	11	13	10	0	— 8	—
	13	— 1	3	4	7	9	13	16	9	— 2	— 3	— 3	— 6	—
	14	— 7	— 3	— 4	1	3	5	— 1	2	2	9	— 2	— 12	—
	15	6	0	— 5	— 8	— 6	— 2	— 2	— 6	— 7	6	14	8	—
	16	2	— 1	1	2	2	4	— 3	— 1	0	5	5	7	—
	17	— 3	— 1	— 2	— 2	— 1	0	1	3	— 1	0	4	0	—
	18	— 6	— 8	— 6	— 6	— 7	1	7	20	12	7	— 3	— 13	—
	19	— 5	— 8	— 6	— 4	— 3	— 2	— 1	1	— 4	— 8	— 7	— 3	—
	20	— 4	— 11	— 14	— 17	— 17	— 15	— 6	8	14	20	16	12	—
	21	1	3	1	— 2	— 3	— 6	3	15	14	13	6	— 4	—
	22	— 6	— 15	— 16	— 16	— 17	— 9	— 2	7	10	8	— 1	3	—
	23	— 1	2	2	6	6	4	9	— 21	— 20	— 2	2	— 4	—
	24	2	— 1	— 2	— 2	— 4	— 4	— 4	— 1	0	0	— 4	— 7	—
	25	3	0	— 3	— 9	— 9	— 10	— 12	— 4	— 5	— 1	— 5	— 1	—
	26	— 6	— 5	— 3	— 2	— 2	0	— 1	— 8	— 1	0	0	0	—
	27	0	— 8	— 10	— 13	— 15	— 15	— 15	— 5	2	5	16	15	—
	28	— 1	0	0	0	— 1	2	— 3	— 4	— 9	— 4	2	— 3	—
	29	— 1	— 2	— 6	— 4	— 6	— 3	— 6	— 4	— 8	— 13	— 9	— 11	—
	30	9	13	10	7	8	12	14	— 6	— 7	— 10	— 1	— 2	—
	31	1	3	7	9	8	8	5	1	1	0	— 6	— 3	—
Hourly Amount.	125	124	161	192	203	243	256	262	239	192	232	243	—	
Mean Batavia Time.	1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily Amount.	
OCTOBER.	1	— 9	— 14	— 14	— 14	— 5	— 3	1	2	2	— 2	— 4	146	
	2	36	33	27	36	22	1	— 9	3	— 6	— 4	— 32	503	
	3	— 16	— 23	— 22	— 17	— 6	— 1	— 1	— 1	0	4	7	220	
	4	1	12	15	13	10	0	0	— 1	0	0	1	104	
	5	— 11	— 8	— 8	— 5	— 1	— 5	— 4	2	5	7	5	140	
	6	— 10	— 3	7	2	— 2	0	2	2	— 1	— 6	— 1	100	
	7	— 13	— 6	1	— 4	— 6	2	— 4	7	11	10	1	175	
	8	— 14	— 13	— 7	— 10	— 12	— 8	— 8	— 7	— 5	— 2	0	180	
	9	— 1	3	6	7	2	— 2	— 5	— 3	— 1	7	7	96	
	10	— 8	0	0	1	1	— 3	— 3	— 7	— 5	— 4	— 1	68	
	11	— 23	— 10	— 1	7	5	0	— 2	— 6	— 5	— 3	— 1	0	183
	12	— 16	— 16	— 13	— 13	— 6	— 2	— 7	— 4	— 2	— 2	2	4	211
	13	— 10	— 5	— 3	1	0	1	— 1	— 1	— 4	— 7	— 7	— 10	126
	14	— 14	— 6	— 3	12	18	10	— 2	— 6	— 8	— 2	6	9	147
	15	3	— 6	— 8	— 6	— 1	0	5	— 1	1	3	11	6	121
	16	— 1	— 18	— 19	— 22	— 16	1	5	7	5	3	5	3	138
	17	0	— 2	— 1	— 1	0	3	7	9	17	0	— 3	— 4	65
	18	— 15	— 7	— 5	0	6	9	9	8	6	2	— 1	— 5	169
	19	— 13	0	— 2	— 6	— 5	— 1	23	22	16	5	— 1	1	147
	20	3	6	0	1	— 1	— 2	2	1	3	3	4	3	183
	21	— 11	— 18	— 11	1	4	6	5	11	11	10	— 1	2	162
	22	3	9	9	8	7	5	0	— 1	2	2	4	3	163
	23	— 6	— 8	— 1	7	6	1	0	— 1	1	1	5	2	118
	24	2	3	— 1	3	1	— 3	— 4	— 4	1	4	7	8	72
	25	24	30	19	6	6	8	6	4	3	— 1	— 4	— 5	178
	26	— 1	— 10	— 12	— 9	4	13	19	17	0	— 5	0	— 2	120
	27	12	6	4	11	12	5	4	4	0	1	— 1	3	182
	28	4	4	5	4	2	5	3	— 1	— 1	— 1	— 1	1	61
	29	6	2	7	8	10	3	— 3	— 5	— 7	— 11	— 8	7	150
	30	3	6	2	1	1	— 4	— 4	— 6	— 6	— 4	— 3	0	139
	31	— 3	— 2	— 7	— 3	1	— 2	— 1	— 2	— 4	— 3	— 7	— 5	92
Hourly Amount.	292	289	240	239	179	109	149	156	139	119	139	137	4659	

EASTERLY DECLINATION. D.

DEVIATIONS. - UNITY = 0'.1.

Mean Batavia Time.	1 A.M.	2	3	4	5	6	7	8	9	10	11	12	—	
NOVEMBER.	1	1	1	— 2	— 2	— 2	— 1	3	— 1	2	3	7	2	—
	2	— 1	— 1	— 4	— 7	— 4	— 8	10	3	14	12	16	14	—
	3	— 8	— 4	— 6	— 8	— 8	17	14	26	19	18	22	20	—
	4	— 9	— 9	— 4	— 7	— 10	— 21	— 14	3	19	14	12	3	—
	5	1	0	1	0	1	0	— 2	1	— 7	— 3	6	11	—
	6	1	1	2	2	0	— 1	— 4	— 4	— 3	1	2	4	—
	7	1	0	— 2	— 9	— 8	9	— 2	— 1	— 5	— 4	— 1	2	—
	8	3	2	1	2	2	— 3	— 5	— 2	— 1	— 2	— 4	— 3	—
	9	0	— 2	— 1	0	2	— 5	— 2	— 2	— 4	2	9	0	—
	10	3	4	2	3	1	8	0	— 6	— 11	— 11	— 4	—	—
	11	4	— 4	— 5	— 5	— 3	0	11	8	7	0	4	8	—
	12	— 7	— 5	— 3	— 3	0	2	1	3	5	0	— 1	1	—
	13	— 2	— 1	— 1	1	— 1	— 3	— 1	0	1	2	— 2	1	—
	14	— 3	— 2	— 1	0	— 1	— 9	— 7	— 1	12	19	16	11	—
	15	— 4	— 2	— 3	— 5	— 2	— 7	0	2	13	24	29	24	—
	16	2	4	5	5	2	— 8	— 10	— 9	— 3	4	7	8	—
	17	1	2	1	1	4	6	4	— 2	— 6	— 8	— 12	— 5	—
	18	— 4	— 5	— 10	— 3	1	0	— 2	— 2	0	4	10	4	—
	19	— 1	— 1	0	— 1	2	— 10	— 12	— 4	0	8	7	11	—
	20	0	4	4	8	6	1	2	— 3	— 7	— 5	— 2	2	—
	21	— 2	1	— 1	0	1	— 3	— 6	— 4	— 3	3	1	9	—
	22	1	1	1	2	2	— 2	— 5	— 8	— 5	3	3	7	—
	23	— 1	— 2	— 2	— 1	— 2	2	1	— 1	— 3	— 4	— 6	— 2	—
	24	10	— 1	1	5	5	1	— 3	— 3	— 3	— 2	1	4	—
	25	0	— 10	— 1	— 3	0	— 3	0	0	3	6	9	5	—
	26	— 1	1	3	1	0	— 8	— 5	— 4	1	6	9	3	—
	27	0	0	0	1	1	0	— 1	— 3	— 1	3	1	— 2	—
	28	— 3	— 4	— 4	— 5	— 3	— 2	1	8	14	9	4	— 5	—
	29	— 6	— 8	— 8	— 7	— 5	— 7	5	11	15	12	11	2	—
	30	— 3	— 4	— 4	— 3	— 7	— 6	— 2	1	4	11	12	9	—
Hourly Amount.	83	86	83	100	86	153	135	126	191	203	237	186	—	
Mean Batavia Time.	1 P.M.	2	3	4	5	6	7	8	9	10	11	12	Daily Amount	
NOVEMBER.	1	0	3	0	— 4	0	— 2	0	0	— 1	— 4	— 5	— 4	50
	2	24	— 6	— 14	— 10	— 7	— 7	— 10	— 14	— 25	— 17	— 18	— 16	262
	3	5	1	2	12	17	5	2	— 11	— 4	— 3	— 6	— 3	241
	4	2	1	0	— 5	2	— 1	— 5	— 5	— 8	— 5	— 2	1	162
	5	11	5	— 3	— 9	— 6	— 1	1	— 1	— 2	— 3	— 1	0	76
	6	4	9	1	0	0	0	0	— 1	0	— 2	1	2	45
	7	0	2	— 4	— 4	— 1	0	2	1	2	3	1	3	67
	8	3	2	2	0	2	5	0	2	0	0	1	2	49
	9	— 2	— 3	6	3	0	5	— 2	0	— 3	— 1	2	5	61
	10	— 4	4	7	9	8	0	— 2	— 5	— 3	— 3	— 2	— 3	114
	11	7	11	11	4	3	5	— 6	— 11	— 9	— 10	— 5	— 4	145
	12	2	3	4	2	3	3	— 4	— 3	— 5	— 5	— 4	— 3	72
	13	— 5	0	0	3	7	4	1	— 1	— 1	— 1	— 2	— 5	46
	14	5	— 1	— 5	— 6	— 2	— 5	— 5	— 5	— 4	— 3	— 6	— 6	134
	15	14	3	— 9	— 16	— 14	— 9	— 10	— 9	— 6	— 3	1	3	212
	16	4	3	— 1	— 5	— 7	— 2	— 1	— 1	— 1	1	4	1	98
	17	— 2	6	12	9	7	1	2	— 2	— 1	1	— 5	— 3	103
	18	4	— 2	0	— 3	2	3	— 2	— 1	2	— 3	— 3	— 1	71
	19	11	8	— 1	— 8	— 6	— 3	— 5	— 9	— 4	— 3	— 2	— 2	119
	20	2	1	0	1	4	2	— 2	— 2	— 5	— 3	— 4	0	70
	21	12	4	— 2	— 6	— 3	— 2	0	1	3	4	2	1	74
	22	7	8	5	3	— 1	— 2	— 3	— 3	— 1	— 2	1	— 3	79
	23	— 9	— 8	1	7	5	3	4	1	1	0	— 1	2	69
	24	— 2	— 1	— 5	— 5	— 7	— 1	— 2	20	— 2	— 2	1	0	87
	25	0	3	7	— 1	— 2	— 2	— 3	— 3	— 2	— 4	— 2	0	69
	26	— 4	— 5	— 1	5	0	— 4	— 1	— 2	— 1	— 1	1	0	67
	27	1	2	3	0	2	1	0	0	1	1	1	— 2	27
	28	— 1	0	4	8	5	— 1	— 1	— 2	0	— 5	— 6	— 4	99
	29	0	— 3	— 1	— 2	2	1	3	— 1	0	0	8	— 2	120
	30	3	1	3	— 8	— 4	— 2	— 3	0	1	2	3	5	101
Hourly Amount.	150	109	114	158	129	82	82	117	99	96	98	86	2989	

HORIZONTAL FORCE. D.

DEVIATIONS. — UNITY = 0.00001 C.G.S.

Mean Batavia Time.	1 A.M.	2	3	4	5	6	7	8	9	10	11	12	—
NOVEMBER.	1	— 3	— 5	— 1	0	— 2	— 5	— 4	2	0	— 4	4	—
	2	—12	— 1	6	11	6	15	4	17	— 4	19	0	—
	3	— 2	20	41	50	41	12	16	— 6	—22	—12	—51	—
	4	21	21	17	24	18	11	— 7	12	— 5	— 4	— 1	—
	5	3	— 1	4	2	1	2	6	5	14	0	4	—
	6	— 1	— 3	— 3	— 1	— 4	— 2	— 1	6	4	9	6	—
	7	7	11	— 1	— 8	— 9	— 3	3	— 5	3	8	7	—
	8	10	0	1	— 2	— 5	— 2	— 2	4	2	— 1	0	—
	9	5	10	10	7	1	4	5	12	10	3	— 6	—
	10	8	11	9	7	6	2	— 3	— 7	— 4	4	3	—
	11	— 7	— 4	— 6	— 3	0	2	3	2	3	5	— 5	—
	12	13	8	7	7	2	4	2	— 3	— 6	— 3	— 1	—
	13	— 6	— 1	1	4	0	1	4	4	5	0	— 2	—
	14	— 4	— 5	— 4	— 7	— 5	— 2	4	10	8	4	— 2	—
	15	4	1	— 5	— 4	— 7	— 7	— 4	7	2	— 2	— 4	—
	16	— 3	— 3	— 5	— 6	— 5	— 4	— 3	— 3	4	8	8	—
	17	— 5	— 4	— 9	— 7	—10	—11	—10	—10	— 9	— 3	1	—
	18	—19	— 6	1	— 8	— 8	— 7	— 1	6	1	— 5	— 5	—
	19	— 2	9	5	0	— 5	1	— 1	0	— 8	— 8	— 7	—
	20	— 5	— 5	— 2	— 3	5	0	1	3	8	4	— 1	—
	21	— 4	— 6	— 1	2	0	3	6	8	11	6	0	—
	22	— 3	— 4	— 3	— 3	— 2	— 2	— 4	— 3	— 4	— 2	6	—
	23	— 3	0	2	4	4	3	— 3	4	4	4	11	—
	24	— 7	— 9	—10	— 3	3	5	9	2	— 1	3	— 3	—
	25	—10	— 7	1	— 3	— 5	— 2	4	— 3	— 1	— 4	0	—
	26	— 4	— 3	1	2	— 3	— 1	1	1	2	— 1	0	—
	27	0	— 2	— 2	1	— 4	— 3	— 4	— 4	— 3	— 3	5	—
	28	8	10	15	18	26	24	22	16	6	0	—14	—
	29	13	12	12	8	12	11	8	9	1	0	2	—
	30	0	— 5	0	2	2	— 1	— 7	— 2	— 4	— 6	0	—
Hourly Amount.	192	187	185	207	201	152	152	176	159	135	167	215	—
Mean Batavia Time.	1 P.M.	2	3	4	5	6	7	8	9	10	11	12	Daily Amount.
NOVEMBER.	1	5	10	12	7	3	7	15	7	— 2	— 6	—19	137
	2	—38	—34	15	21	22	19	15	16	28	—27	13	360
	3	—67	—64	—57	—50	—57	—51	—39	55	— 4	0	24	809
	4	2	22	5	— 1	—19	0	— 4	— 2	5	— 3	0	211
	5	— 2	— 2	0	0	— 3	— 7	— 3	— 4	0	2	0	67
	6	— 4	— 7	— 5	— 3	0	— 2	1	— 3	2	— 1	— 2	71
	7	— 2	1	2	7	— 3	— 3	— 4	— 1	— 3	— 3	— 4	101
	8	2	2	8	3	— 2	— 3	— 7	—13	— 2	8	12	96
	9	— 8	— 4	— 6	—10	— 13	—28	—25	—15	— 6	5	2	208
	10	9	13	10	9	5	5	3	6	4	— 3	6	150
	11	— 7	1	1	— 1	— 6	—18	—24	—24	— 2	4	4	144
	12	2	10	15	9	0	— 4	— 1	—10	—14	— 6	— 5	135
	13	— 5	— 1	6	11	11	6	— 2	5	6	— 6	— 5	105
	14	— 3	— 7	— 6	— 4	3	— 1	— 5	4	5	5	0	111
	15	— 1	2	7	4	1	— 1	3	— 1	0	— 1	— 1	75
	16	2	0	1	5	7	8	9	5	15	9	0	127
	17	5	15	28	10	2	8	5	13	10	— 2	— 2	186
	18	4	— 2	— 6	—14	— 3	1	5	— 2	— 6	14	16	151
	19	2	11	16	16	14	9	6	— 1	—14	—16	—17	175
	20	— 5	0	3	6	4	4	5	— 3	7	— 4	— 4	96
	21	—11	— 7	— 5	— 4	— 2	2	2	4	4	0	2	94
	22	4	— 6	— 6	— 2	1	2	5	0	— 3	— 5	— 4	83
	23	17	— 4	— 1	3	— 3	— 1	1	— 2	— 3	2	6	114
	24	— 8	—11	—10	2	5	4	6	6	8	— 2	5	135
	25	4	— 1	— 9	— 9	— 6	— 1	6	7	5	6	— 4	108
	26	2	— 2	0	— 3	1	— 1	1	3	1	1	— 1	36
	27	4	3	2	5	3	2	5	5	4	3	3	85
	28	—41	—36	—33	—32	—14	— 2	—11	—24	—28	—14	9	446
	29	3	— 9	—17	— 7	4	4	2	0	— 1	— 3	21	170
	30	6	2	—11	0	— 3	2	— 5	7	2	1	— 1	75
Hourly Amount.	275	289	303	258	220	206	230	245	193	162	184	168	4861

VERTICAL FORCE. D.

DEVIATIONS. — UNITY = 0.00001 C. G. S.

Mean Batavia Time.	1 A.M.	2	3	4	5	6	7	8	9	10	11	12	—	
NOVEMBER.	1	— 1	— 3	— 7	—12	—12	—19	—22	9	6	6	— 8	— 3	—
	2	9	2	— 4	—10	— 3	—10	— 8	—12	—15	—24	—13	— 9	—
	3	5	—11	—18	—22	—18	—13	—20	—11	1	—19	4	13	—
	4	— 9	— 9	— 6	— 7	— 1	3	— 1	—23	—15	— 7	5	0	—
	5	— 1	— 2	— 3	— 4	— 2	— 3	— 8	—13	—14	— 4	— 6	— 4	—
	6	2	4	1	1	2	1	— 6	—13	—13	—15	— 9	— 5	—
	7	6	3	10	17	15	4	8	—14	— 9	—13	— 6	— 2	—
	8	1	2	1	1	0	— 4	— 9	—14	—14	—10	— 6	1	—
	9	2	— 1	1	— 3	0	— 1	— 6	—10	—13	—10	0	1	—
	10	— 5	— 7	— 5	— 1	1	1	7	9	10	8	1	2	—
	11	15	16	16	16	16	10	8	—32	—22	—11	3	9	—
	12	— 9	— 6	— 4	— 4	— 1	— 2	— 3	2	1	2	5	— 4	—
	13	3	1	— 3	— 4	— 5	— 7	—18	—10	— 6	— 3	2	5	—
	14	6	2	0	— 3	— 4	— 8	—14	—14	—15	—12	— 3	5	—
	15	— 1	3	5	2	6	4	— 3	— 4	— 4	— 5	— 7	— 3	—
	16	— 2	— 2	— 1	0	1	4	2	— 6	—15	—14	— 9	— 7	—
	17	— 1	— 3	— 2	— 2	1	1	4	13	13	14	9	— 6	—
	18	14	7	3	— 2	— 5	— 4	— 8	—18	—16	—14	—11	6	—
	19	1	— 4	1	2	6	7	8	8	5	— 2	— 1	— 7	—
	20	— 3	— 3	— 6	— 6	— 8	— 2	— 4	— 5	— 9	—11	— 5	— 3	—
	21	—	—	—	—	—	—	—	—	—	—	—	—	—
	22	—	—	—	—	—	—	—	—	—	—	—	—	—
	23	—	—	—	—	—	—	—	—	—	—	—	—	—
	24	—	—	—	—	—	—	—	—	—	—	—	—	—
	25	—	—	—	—	—	—	—	—	—	—	—	—	—
	26	— 1	— 2	— 4	— 4	0	4	1	—10	—13	—14	—14	— 6	—
	27	0	1	0	0	— 1	— 3	— 3	— 9	—11	— 8	3	10	—
	28	— 8	—11	—15	—16	—21	—23	—18	— 8	0	— 4	6	23	—
	29	—18	—14	—10	— 4	— 7	— 3	— 2	— 3	0	6	10	— 2	—
	30	3	3	— 1	0	3	5	6	3	— 1	—10	—19	—14	—
Hourly Amount.	126	122	127	143	139	146	192	266	241	246	165	150	—	

Mean Batavia Time.	1 P.M.	2	3	4	5	6	7	8	9	10	11	12	Daily Amount.	
NOVEMBER.	1	5	8	12	16	10	8	— 2	5	8	9	13	16	220
	2	14	28	3	— 5	— 8	— 7	— 4	1	0	24	6	3	222
	3	39	43	41	32	30	23	14	—27	— 4	— 3	—10	—11	432
	4	3	—13	— 7	1	10	5	4	4	0	7	5	4	149
	5	2	8	6	7	5	— 1	— 1	5	4	2	5	6	116
	6	3	8	6	3	— 2	— 1	— 1	5	5	7	6	6	113
	7	10	7	— 1	— 4	— 6	— 9	— 7	— 5	— 4	— 2	0	— 5	167
	8	7	9	3	— 1	— 1	3	4	7	4	— 1	— 1	3	107
	9	11	6	6	11	13	17	15	9	1	— 6	— 3	— 4	150
	10	— 9	—19	—23	—18	—13	— 9	— 5	0	3	8	11	15	190
	11	10	2	— 6	— 3	0	11	9	9	— 4	— 8	—12	—13	261
	12	— 9	—13	—15	— 2	5	6	3	7	10	5	1	— 3	122
	13	3	1	— 7	—11	— 6	0	7	7	6	7	11	9	142
	14	14	12	13	12	7	3	5	3	3	2	4	0	164
	15	— 2	5	14	14	8	3	— 3	0	— 3	— 3	— 4	— 3	109
	16	— 5	0	5	9	3	— 1	— 2	0	— 7	— 6	— 1	3	105
	17	—13	—22	—20	— 7	4	8	9	4	3	7	9	6	181
	18	7	5	7	10	0	— 4	— 5	1	3	— 6	— 9	— 2	167
	19	— 1	— 2	— 1	— 1	2	0	0	3	10	11	9	— 5	97
	20	0	2	3	— 1	— 6	— 4	0	7	7	15	16	18	144
	21	—	—	—	—	—	—	—	—	—	—	—	—	—
	22	—	—	—	—	—	—	—	—	—	—	—	—	—
	23	—	—	—	—	—	—	—	—	—	—	—	—	—
	24	—	—	—	—	—	—	—	—	—	—	—	—	—
	25	—	—	—	—	—	—	—	—	—	—	—	—	—
	26	6	13	14	9	9	7	3	0	0	— 2	— 1	— 2	139
	27	5	— 4	4	12	11	8	2	— 2	— 7	— 9	— 7	— 7	127
	28	33	41	48	34	8	— 9	2	15	14	2	—20	—24	403
	29	— 9	—11	— 7	1	— 1	0	6	5	3	5	— 7	5	139
	30	— 6	— 3	7	5	5	3	6	— 6	— 3	— 7	— 8	—11	138
Hourly Amount.	226	285	279	229	173	150	119	137	116	164	179	184	1304	

EASTERLY DECLINATION. D.

DEVIATIONS. — UNITY = 0'.1.

Mean Batavia Time.	1 A.M.	2	3	4	5	6	7	8	9	10	11	12	—	
DECEMBER.	1	2	2	1	— 1	— 1	— 5	—10	— 5	— 1	4	— 1	— 1	—
	2	2	2	2	1	2	1	— 3	—11	— 7	— 1	— 3	— 2	—
	3	2	3	5	5	5	2	— 4	— 9	—11	— 8	— 1	1	—
	4	2	0	0	— 2	2	— 6	— 4	— 3	— 2	7	9	11	—
	5	1	5	4	5	4	2	— 4	—13	— 6	— 1	— 1	— 4	—
	6	0	1	1	2	— 1	— 1	2	0	— 1	0	0	5	—
	7	5	6	6	5	3	2	— 2	— 5	— 7	— 7	— 6	— 8	—
	8	1	0	— 3	— 4	— 3	— 4	— 4	1	7	4	1	5	—
	9	2	4	3	3	1	3	— 1	— 6	0	— 1	—13	—13	—
	10	— 1	0	— 1	— 2	— 3	— 4	2	6	3	3	— 7	— 3	—
	11	3	3	3	2	5	6	4	— 1	— 9	—12	— 9	— 8	—
	12	3	1	5	10	10	13	6	0	—10	—18	—18	—11	—
	13	1	0	1	— 1	1	3	1	— 2	— 1	— 4	— 2	— 4	—
	14	5	6	5	5	8	5	— 2	— 2	— 5	— 8	—12	—16	—
	15	— 1	— 7	— 8	— 5	— 6	— 7	— 8	— 4	11	16	14	10	—
	16	9	6	8	6	0	— 2	— 9	— 9	0	8	6	— 4	—
	17	7	10	10	9	9	4	— 5	— 5	— 3	—13	—12	— 8	—
	18	— 1	1	0	— 1	1	5	12	12	10	5	1	1	—
	19	6	1	2	— 3	— 4	— 1	— 3	1	— 2	0	— 2	0	—
	20	5	4	1	— 6	— 8	— 3	— 5	—10	— 4	— 2	1	—15	—
	21	0	5	2	1	2	13	19	7	— 3	—23	—23	—23	—
	22	11	12	9	4	1	3	1	— 2	— 4	1	—10	—13	—
	23	— 1	5	— 1	2	— 2	15	18	6	—10	— 7	—14	—15	—
	24	— 6	— 6	— 7	— 5	— 2	7	9	9	— 2	— 4	6	7	—
	25	0	1	1	3	4	2	— 5	4	0	— 5	—12	—12	—
	26	— 5	— 4	— 3	— 4	— 8	3	7	15	2	— 5	— 7	0	—
	27	— 1	1	0	— 4	—14	7	17	16	10	— 5	—13	—15	—
	28	— 6	— 7	— 7	— 2	— 6	9	4	6	7	2	3	— 4	—
	29	— 3	— 1	— 3	— 7	— 4	— 6	9	10	4	— 5	— 7	— 7	—
	30	5	2	6	5	5	2	6	11	3	— 4	— 7	— 7	—
	31	3	0	— 2	— 3	— 4	— 9	— 3	1	9	1	1	13	—

Hourly Amount.	100	106	110	118	129	155	189	192	153	185	222	246	
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Mean Batavia Time.	1 P.M.	2	3	4	5	6	7	8	9	10	11	12	Daily Amount.
DECEMBER.	1	0	8	2	— 4	— 3	2	— 1	1	2	4	4	69
	2	9	12	6	— 2	— 4	— 5	— 3	— 2	1	0	1	83
	3	2	1	— 5	— 4	— 3	— 6	— 1	1	4	3	3	92
	4	9	8	4	0	— 3	— 7	— 7	— 6	— 3	— 2	1	99
	5	2	3	3	10	7	— 8	— 6	— 5	— 3	— 3	— 2	104
	6	5	0	— 6	— 2	— 2	— 1	— 2	0	1	3	4	44
	7	— 7	— 6	— 1	5	7	1	1	1	3	3	4	104
	8	4	11	7	8	2	— 3	— 5	— 3	— 1	— 9	— 3	94
	9	— 8	— 5	— 3	4	10	4	5	0	— 1	0	0	91
	10	— 1	2	5	3	0	— 3	— 1	0	1	2	3	59
	11	—12	— 3	11	15	8	— 1	— 1	0	0	— 3	— 2	124
	12	— 7	— 4	— 3	— 6	— 2	3	6	2	3	3	2	150
	13	— 5	— 3	— 1	— 1	0	— 2	2	3	6	6	5	60
	14	—16	—17	—14	— 1	8	19	13	13	12	6	4	202
	15	—12	—19	— 2	8	9	3	—24	— 7	— 4	— 3	— 2	190
	16	— 5	3	— 1	— 1	1	3	2	— 5	— 2	— 3	1	101
	17	— 6	— 6	— 4	— 3	— 1	— 2	— 4	— 6	— 5	— 5	— 4	142
	18	9	— 3	—12	—19	—23	—22	23	14	15	11	8	217
	19	3	— 6	— 9	4	5	2	— 1	0	— 1	5	6	72
	20	— 4	13	2	3	8	— 4	— 4	— 2	1	0	1	106
	21	2	— 1	— 6	— 7	— 3	7	2	8	12	12	13	206
	22	—19	—15	—10	0	— 2	1	3	3	2	4	3	134
	23	— 7	— 3	13	7	6	7	5	3	2	— 2	— 5	160
	24	6	7	1	— 6	— 8	— 3	0	0	3	0	1	105
	25	— 2	0	3	1	1	5	4	— 1	— 5	6	— 2	84
	26	3	1	— 8	— 7	— 2	3	2	4	1	3	0	97
	27	—12	— 1	18	13	2	1	— 2	— 1	0	0	— 3	156
	28	— 3	— 6	—10	0	3	12	9	6	3	4	6	136
	29	— 8	—11	— 4	0	— 2	2	— 1	5	6	8	1	116
	30	—19	—29	—24	— 8	6	7	8	7	8	10	7	201
	31	13	7	— 3	— 6	— 8	— 8	— 5	— 4	0	— 2	1	108

Hourly Amount.	220	214	201	158	149	157	153	113	111	125	99	101	3706
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HORIZONTAL FORCE. D.

DEVIATIONS. — UNITY = 0.00001 C. G. S.

Mean Batavia Time.	1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
DECEMBER.	1	1	— 1	2	3	3	—	—	—	—	—	—	—
	2	—	—	—	—	—	—	—	—	—	—	—	—
	3	0	— 3	— 1	0	2	0	3	3	5	5	0	0
	4	— 1	0	0	— 2	— 2	— 4	— 3	5	7	4	5	5
	5	— 5	— 5	— 5	— 2	— 1	0	1	9	9	2	— 2	— 4
	6	4	— 9	— 1	1	0	2	0	0	2	3	6	4
	7	— 3	— 3	— 4	— 4	— 7	— 7	— 8	— 4	3	5	4	6
	8	3	2	1	— 1	— 2	7	— 7	— 8	— 7	— 7	1	7
	9	— 7	— 9	— 3	— 8	— 3	0	2	5	— 4	— 7	— 5	1
	10	— 3	— 7	— 2	3	— 2	0	1	— 2	— 3	— 9	— 4	1
	11	8	7	2	3	2	— 1	2	0	6	4	0	1
	12	— 3	2	— 13	— 5	11	7	4	4	4	0	— 2	— 9
	13	— 3	— 2	— 5	— 6	0	1	2	— 2	— 3	— 2	— 2	4
	14	4	5	5	9	3	4	5	0	— 7	— 14	18	— 15
	15	— 4	6	20	6	41	38	33	28	0	— 14	— 28	— 37
	16	16	16	12	9	20	12	12	13	4	— 6	— 2	— 1
	17	— 5	— 3	— 2	3	— 2	— 2	— 5	1	— 3	— 1	4	5
	18	— 6	— 2	— 8	— 9	— 10	— 10	— 5	— 9	— 8	— 7	3	— 1
	19	— 5	— 5	— 2	— 1	— 2	— 2	— 3	— 5	— 5	2	4	5
	20	— 3	— 5	0	25	20	23	30	33	26	7	— 41	— 10
	21	8	21	16	18	12	4	— 2	— 3	— 5	0	7	7
	22	2	1	— 2	— 2	— 3	— 6	— 12	— 12	— 10	0	6	20
	23	16	11	30	6	— 5	— 16	20	4	15	— 4	— 5	— 20
	24	9	6	5	4	— 2	— 6	— 8	— 13	— 5	— 1	7	6
	25	3	2	1	0	2	— 1	0	2	— 1	— 2	0	9
	26	4	1	— 3	— 3	4	— 2	— 5	— 15	— 3	1	4	8
	27	— 6	— 5	1	0	0	1	1	— 1	— 4	5	0	— 2
	28	2	4	0	— 4	10	9	11	5	12	5	— 10	— 23
	29	4	— 5	4	6	11	— 5	— 7	— 14	— 12	— 1	8	6
	30	3	2	3	5	2	8	8	0	1	— 3	0	—
	31	—	—	—	—	—	—	—	—	—	—	—	—

Hourly Amount.	141	150	152	147	184	181	200	200	174	121	178	217	—
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Mean Batavia Time.	1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily Amount.
DECEMBER.	1	—	—	—	—	—	—	—	—	—	—	—	11
	2	—	—	—	—	—	—	—	—	—	—	—	—
	3	— 5	— 6	— 6	— 6	— 4	2	5	1	— 1	— 3	— 2	65
	4	0	— 2	— 2	0	4	4	6	6	3	— 2	2	70
	5	— 10	— 11	— 15	— 16	— 7	6	4	4	5	5	3	134
	6	2	— 4	— 7	— 7	— 1	3	4	4	4	0	— 1	74
	7	5	5	2	0	2	1	4	4	6	5	4	98
	8	14	2	— 1	7	1	2	— 5	0	— 9	8	— 11	123
	9	8	12	2	3	— 5	— 4	2	4	7	6	4	112
	10	6	7	3	— 4	— 5	— 2	0	3	0	2	0	71
	11	5	4	3	5	3	— 1	0	— 3	— 10	— 11	10	106
	12	— 13	— 14	— 11	— 9	— 2	4	7	8	2	4	1	145
	13	11	11	8	3	— 1	2	1	0	0	0	— 1	70
	14	— 1	10	18	27	15	— 11	— 39	— 8	2	1	— 10	233
	15	— 33	— 21	— 21	— 40	— 54	— 33	2	— 1	9	18	19	518
	16	— 18	— 21	— 23	— 11	— 4	2	0	9	3	16	— 7	243
	17	4	5	0	1	4	5	9	7	3	0	1	79
	18	0	7	14	13	17	7	3	2	— 1	— 5	— 1	150
	19	— 3	— 2	— 3	— 1	— 2	1	6	2	2	— 3	— 1	69
	20	— 16	— 30	— 29	— 26	— 32	— 19	— 2	5	4	7	11	412
	21	— 4	— 10	— 12	— 7	— 4	3	5	— 2	— 6	1	0	158
	22	9	4	0	— 4	2	— 1	3	3	3	3	2	116
	23	— 27	— 20	— 32	— 50	— 45	— 7	19	8	17	30	25	444
	24	6	4	— 1	— 2	5	3	1	— 1	— 2	— 4	— 3	106
	25	— 2	— 11	— 14	— 16	— 10	— 6	— 5	— 2	9	5	7	118
	26	6	7	10	6	2	2	4	1	3	3	4	101
	27	— 1	— 6	— 4	— 1	— 2	— 1	2	1	— 2	— 2	— 2	53
	28	— 20	8	11	7	— 16	— 2	1	— 1	3	8	— 5	194
	29	7	0	— 6	— 11	— 8	— 4	— 6	0	— 4	— 4	9	145
	30	—	—	—	—	—	—	—	—	—	—	—	35
	31	—	—	—	—	—	—	—	—	—	—	—	140

Hourly Amount.	236	244	258	283	257	138	145	108	143	187	177	172	1393
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VERTICAL FORCE. D.

DEVIATIONS. — UNITY = 0.00001 C.G.S.

Mean Batavia Time.	1 A.M.	2	3	4	5	6	7	8	9	10	11	12	—
DECEMBER.	1	—	—	—	—	—	—	—	—	—	—	—	—
	2	—	—	—	—	—	—	—	—	—	—	—	—
	3	—	—	—	—	—	—	—	—	—	—	—	—
	4	—	—	—	—	—	—	—	—	—	—	—	—
	5	—	—	—	—	—	—	—	—	—	—	—	—
	6	—	—	—	—	—	—	—	—	—	—	—	—
	7	2	2	3	3	2	1	2	0	0	3	4	—
	8	5	5	8	8	5	6	3	8	16	—22	—23	—
	9	4	4	2	8	4	4	9	12	13	11	4	—
	10	5	7	2	1	2	2	—3	—5	—4	4	9	—
	11	—5	—2	3	5	5	8	6	11	3	—4	2	—
	12	—2	—2	8	2	—7	3	16	21	21	15	2	—
	13	2	0	1	1	—3	—1	5	8	5	7	16	—
	14	—4	—3	—3	—6	0	4	6	14	16	17	12	—
	15	10	8	4	15	1	9	6	—22	—27	—18	—1	—
	16	—8	—5	—3	—2	—4	6	6	—2	—1	9	6	—
	17	0	0	0	2	6	13	11	3	—3	—4	—12	—
	18	—3	—8	—8	—10	—11	—17	—22	—25	—19	—9	—2	—
	19	5	10	14	20	27	35	43	24	21	20	36	—
	20	7	12	12	6	15	16	18	—4	—3	4	5	—
	21	—2	—9	—6	—6	—2	8	20	24	21	7	—12	—
	22	—4	—2	—2	—2	—2	1	9	14	1	—5	—8	—
	23	—10	—10	—15	2	7	10	—1	9	—3	—3	—1	—
	24	—6	—4	—4	—7	—6	—8	—6	29	29	11	—9	—
	25	0	2	3	4	5	13	9	—8	—3	—1	2	—
	26	—1	0	—2	—1	—5	—8	—3	8	9	8	2	—
	27	1	4	3	3	4	—3	—3	9	23	23	20	—
	28	2	1	2	2	—7	—11	—5	—5	—4	—6	6	—
	29	—4	1	—4	—5	—7	3	—3	14	20	18	2	—
	30	—1	1	1	2	2	1	—1	—4	0	—1	—9	—
	31	7	10	13	12	10	12	2	—17	—25	—20	—21	—
Hourly Amount.	100	112	126	135	153	203	220	297	282	241	224	254	—
Mean Batavia Time.	1 P.M.	2	3	4	5	6	7	8	9	10	11	12	Daily Amount.
DECEMBER.	1	—	—	—	—	—	—	—	—	—	—	—	—
	2	—	—	—	—	—	—	—	—	—	—	—	—
	3	—	—	—	—	—	—	—	—	—	—	—	—
	4	—	—	—	—	—	—	—	—	—	—	—	—
	5	—	—	—	—	—	—	—	—	—	—	—	—
	6	—	—	—	—	—	—	—	—	—	—	—	—
	7	0	—1	—3	—5	—5	—5	—9	—6	—5	—2	1	72
	8	—20	—12	—4	—7	—5	—2	—1	—5	0	—1	2	3
	9	—13	—11	—11	—11	—1	0	—5	—4	—4	—2	1	144
	10	—3	1	—5	—2	3	1	—3	—5	—2	—2	0	2
	11	1	—12	—23	—14	—9	0	—3	—3	1	4	2	—12
	12	—9	—4	—4	—2	—8	—10	—10	—9	—5	—5	—4	—1
	13	—4	—6	—9	—10	—2	0	—1	—2	—2	—3	—2	0
	14	0	—3	—16	—27	—20	3	25	6	—1	4	14	9
	15	24	9	—3	—3	13	13	—1	—9	—8	—14	—14	—8
	16	—7	0	4	0	1	—2	—2	—2	1	—4	10	8
	17	0	—1	—2	—7	—8	—5	—7	—5	—4	—2	—4	—5
	18	44	41	33	24	14	10	5	—2	—4	—1	—5	—3
	19	—28	—24	—24	—40	—33	—30	—24	—18	—13	—6	2	566
	20	—5	1	2	—7	1	1	—11	—15	—13	—11	—9	—9
	21	—9	—2	0	0	—4	—12	—8	—3	—2	—4	—5	—5
	22	0	—1	3	9	10	2	—2	—6	—5	—5	—7	106
	23	14	4	15	21	12	—10	—22	—11	—14	—16	—10	—3
	24	—4	5	20	18	7	—4	—5	—4	0	2	0	0
	25	—12	—4	1	2	5	—1	—1	—3	—6	—4	—5	—4
	26	—12	1	11	1	1	2	—2	—3	—3	—1	1	1
	27	—10	—25	—30	—20	—10	—5	—4	—5	—3	—1	—1	2
	28	22	7	—3	—7	—3	—3	0	—1	—3	—3	1	—3
	29	—9	—4	0	3	5	1	0	—3	1	—6	0	122
	30	16	13	4	—2	—6	—3	—2	—3	4	7	4	6
	31	—18	—9	0	12	8	6	2	—1	1	0	—3	—1
Hourly Amount.	284	201	230	254	194	131	157	143	111	117	117	96	4382

EASTERLY DECLINATION. A.

HOURLY OBSERVATIONS. — 1° 40' + THE NUMBERS IN THE TABLE.

Mean Batavia Time.		1 A.M.	2	3	4	5	6	7	8	9	10	11	12	—
JANUARY.	1	14.4	14.4	14.3	14.0	13.9	12.8	12.2	12.7	13.7	14.5	14.0	15.0	—
	2	14.0	14.0	13.7	13.5	12.7	11.8	11.3	12.4	13.7	14.5	14.5	16.3	—
	3	13.7	13.6	13.0	12.9	12.6	11.0	11.5	11.9	13.8	13.9	14.4	15.1	—
	4	14.4	14.2	14.2	13.7	13.2	12.2	12.0	12.1	12.2	12.9	14.9	18.3	—
	5	14.9	14.7	14.7	14.2	14.0	12.8	12.9	13.9	14.7	15.1	15.4	15.8	—
	6	13.9	13.7	13.5	13.2	13.0	12.2	12.1	12.1	12.2	12.7	13.1	15.1	—
	7	15.0	14.0	13.9	13.7	13.7	12.9	12.8	12.2	14.2	14.5	15.1	15.9	—
	8	16.9	17.1	15.5	13.2	13.0	12.4	11.6	12.7	13.9	14.4	14.0	14.5	—
	9	14.9	14.9	14.5	13.8	12.8	11.8	11.4	13.3	14.2	13.6	13.0	14.8	—
	10	13.9	13.9	12.8	12.9	13.1	12.2	12.4	13.2	13.3	13.3	13.7	14.8	—
	11	14.0	14.0	13.8	13.8	13.9	13.3	12.7	12.4	13.2	13.8	12.8	13.5	—
	12	13.9	14.2	14.3	14.0	13.9	13.3	13.3	13.7	14.3	15.3	16.2	16.2	—
	13	14.7	14.2	14.2	13.9	13.5	12.8	13.0	13.1	14.5	15.5	15.3	15.1	—
	14	14.8	14.3	14.2	14.0	13.5	12.6	12.0	12.2	13.5	14.2	14.7	15.3	—
	15	14.3	14.3	14.2	13.9	13.6	12.6	12.4	12.6	13.5	13.7	13.8	14.7	—
	16	14.4	14.0	13.7	13.6	13.1	11.5	11.0	11.9	12.5	13.9	14.0	14.8	—
	17	14.0	14.0	14.0	13.7	13.2	12.6	12.1	11.8	12.5	13.6	15.8	16.1	—
	18	14.0	14.2	13.9	13.6	13.2	12.0	11.4	12.7	12.7	13.2	14.9	16.2	—
	19	14.5	14.5	14.3	14.0	13.7	13.6	12.8	11.9	12.6	14.3	15.2	16.2	—
	20	14.5	14.4	14.2	14.0	13.8	12.9	11.5	10.8	12.1	13.1	15.5	16.8	—
	21	14.7	14.5	14.5	14.2	13.7	13.0	11.5	10.4	11.0	13.6	15.1	16.0	—
	22	14.4	14.4	14.2	13.9	12.9	12.0	11.1	11.6	12.4	14.3	15.0	16.1	—
	23	13.3	11.5	13.7	12.8	11.9	12.1	10.8	10.4	11.4	12.9	13.9	14.5	—
	24	14.3	14.0	14.2	13.7	13.9	13.8	13.2	12.8	13.5	13.6	13.6	14.7	—
	25	14.5	14.4	14.2	14.3	13.8	13.6	12.5	12.1	13.1	13.5	14.3	14.7	—
	26	14.3	14.2	14.0	13.9	13.8	13.3	12.8	12.9	14.4	15.8	15.4	15.0	—
	27	14.4	14.4	14.3	14.2	14.0	13.5	13.0	13.2	14.7	16.3	16.7	15.0	—
	28	14.8	14.7	13.5	14.0	13.9	13.5	12.9	12.0	13.8	15.4	16.0	16.0	—
	29	14.9	14.7	14.4	13.9	13.7	12.4	11.1	11.8	15.2	17.6	17.2	16.6	—
	30	14.5	14.3	14.2	13.1	13.2	12.4	10.1	9.9	11.6	14.2	15.1	15.4	—
	31	14.7	14.4	14.2	13.8	13.9	12.6	11.9	11.8	12.8	14.0	15.4	15.8	—
Hourly Means.		14.4	14.3	14.1	13.7	13.4	12.6	12.0	12.2	13.3	14.2	14.8	15.5	—
Mean Batavia Time.		1 P.M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
JANUARY.	1	15.3	14.5	13.8	14.3	14.3	14.8	15.1	14.5	14.5	14.5	14.4	14.2	14.2
	2	18.2	18.8	18.0	16.1	15.0	15.7	13.7	14.5	15.1	13.4	13.2	13.5	14.5
	3	15.5	15.6	14.7	15.3	15.2	15.1	15.2	15.1	15.1	14.7	14.7	14.4	14.1
	4	18.8	18.3	16.8	15.0	13.9	14.2	14.5	14.4	14.7	14.5	14.7	14.8	14.5
	5	16.0	16.6	17.1	16.3	15.2	14.9	15.0	14.9	14.7	14.2	14.2	14.2	14.9
	6	16.3	16.5	16.6	15.6	14.5	14.2	15.0	15.0	15.1	14.9	14.8	14.7	14.2
	7	15.9	16.0	15.6	15.6	15.5	15.3	15.2	15.1	15.2	15.3	15.8	16.3	14.8
	8	13.9	14.3	14.5	14.3	14.5	14.5	14.8	14.8	14.7	13.9	14.5	14.9	14.3
	9	14.8	14.5	14.8	14.9	14.7	14.5	14.8	14.4	14.4	14.4	14.2	14.0	14.1
	10	15.6	15.6	15.3	15.4	16.1	15.5	15.5	15.0	14.4	14.2	14.3	14.0	14.2
	11	15.2	15.6	16.5	16.7	16.0	15.2	14.9	14.9	14.7	14.5	14.0	14.4	14.3
	12	15.2	14.4	14.3	15.1	15.3	15.1	15.1	15.0	15.0	14.9	14.7	14.5	14.6
	13	14.5	15.4	17.1	17.2	16.2	14.5	14.7	14.7	14.7	14.7	14.8	14.7	14.7
	14	15.4	15.4	15.6	16.2	15.4	15.1	15.1	15.0	15.0	14.7	14.5	14.4	14.5
	15	15.3	15.2	14.8	14.2	13.8	14.3	14.8	14.8	14.8	14.8	14.5	14.5	14.1
	16	14.5	14.4	15.4	15.4	15.5	15.2	15.0	14.7	14.8	14.7	14.4	14.2	14.0
	17	16.5	15.0	13.6	13.2	13.3	14.2	14.9	14.8	14.8	11.7	14.7	14.2	14.1
	18	15.2	15.1	15.9	15.6	15.2	14.9	15.0	14.8	14.8	14.7	14.7	14.5	14.2
	19	16.0	15.5	15.0	14.3	13.8	14.3	14.8	13.9	14.5	14.8	14.7	14.5	14.3
	20	17.2	17.6	17.1	16.0	15.0	14.7	15.1	14.9	14.9	14.7	14.5	14.7	14.6
	21	14.7	13.8	13.6	13.5	14.2	14.3	14.8	14.7	14.7	14.7	14.5	14.0	13.9
	22	16.5	16.9	17.1	16.3	14.9	14.9	15.5	13.8	14.4	14.7	14.2	13.7	14.4
	23	14.8	15.6	15.9	15.2	15.0	14.9	15.0	15.2	14.9	13.7	14.7	14.4	13.7
	24	15.5	15.9	15.5	15.2	15.2	15.1	15.0	14.9	14.8	14.7	14.5	14.4	14.4
	25	14.4	14.3	14.9	14.5	14.3	14.5	15.1	14.9	14.9	14.8	14.7	14.4	14.2
	26	14.5	14.4	13.8	13.8	14.2	14.9	15.1	14.9	14.8	14.7	14.4	14.4	14.3
	27	14.2	15.1	15.1	15.5	15.9	15.8	15.5	15.2	15.4	15.2	14.9	14.7	14.8
	28	15.1	14.7	14.4	14.8	14.9	15.3	15.1	14.9	15.1	15.2	15.3	14.9	14.6
	29	16.2	15.1	14.2	14.4	15.3	15.6	15.3	15.2	15.0	14.9	14.9	14.7	14.8
	30	16.8	17.8	17.3	16.3	16.3	15.2	15.8	15.2	15.4	14.7	14.7	14.7	14.5
	31	15.9	15.6	14.7	14.5	14.5	15.4	15.5	15.2	15.1	14.5	14.5	14.7	14.4
Hourly Means.		15.6	15.6	15.5	15.2	14.9	14.9	15.0	14.8	14.9	14.6	14.6	14.5	14.36

HORIZONTAL FORCE. A.

HOURLY OBSERVATIONS. — 0.36800 + THE NUMBERS IN THE TABLE.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
JANUARY.	1	329	326	323	324	325	331	338	344	357	367	371	355	—
	2	337	339	340	342	344	349	355	—	—	—	—	—	—
	3	—	—	—	—	—	—	—	319	310	324	324	332	—
	4	312	316	314	314	319	323	328	340	364	384	387	378	—
	5	315	319	321	322	320	322	329	333	341	353	357	352	—
	6	332	331	332	332	332	336	340	353	368	385	391	383	—
	7	332	333	335	338	337	339	346	350	355	361	370	376	—
	8	326	333	327	328	328	332	338	346	353	365	371	375	—
	9	333	325	311	329	327	328	334	332	332	330	334	320	—
	10	352	332	327	324	320	327	338	348	359	368	371	367	—
	11	322	323	319	321	322	324	332	338	348	356	372	364	—
	12	333	327	326	325	325	332	335	340	348	355	357	357	—
	13	322	326	326	325	328	333	343	348	354	358	366	362	—
	14	322	324	324	324	328	328	328	329	336	345	354	347	—
	15	329	328	329	328	328	333	338	344	354	361	370	366	—
	16	331	331	334	339	343	348	353	353	362	367	363	359	—
	17	325	325	324	329	330	337	346	356	366	376	377	387	—
	18	330	326	321	325	333	349	349	333	347	358	353	351	—
	19	322	319	325	323	318	317	338	343	352	363	377	359	—
	20	311	312	315	314	319	323	330	337	350	366	365	356	—
	21	325	324	323	324	327	331	337	341	357	379	381	361	—
	22	333	331	331	327	331	344	359	353	379	379	391	388	—
	23	277	276	288	279	289	285	290	300	319	332	333	329	—
	24	295	305	300	302	308	307	308	310	322	335	342	332	—
	25	306	306	309	308	307	310	314	321	333	349	357	352	—
	26	308	308	309	307	308	311	324	335	349	368	377	359	—
	27	314	315	314	315	318	324	333	343	355	373	380	372	—
	28	315	303	299	301	298	306	305	313	322	333	337	334	—
	29	294	305	314	318	314	318	322	331	339	345	352	347	—
	30	311	314	316	317	317	323	332	348	347	359	354	352	—
	31	268	274	284	291	289	292	296	300	296	303	306	305	—
Hourly Means.		319	319	319	320	321	325	332	336	346	357	361	356	—
Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
JANUARY.	1	340	334	326	318	325	337	336	334	330	323	325	330	335
	2	—	—	—	—	—	—	—	—	—	—	—	—	—
	3	319	315	310	305	314	312	313	310	306	309	310	313	—
	4	367	357	344	328	319	317	311	313	315	313	314	315	333
	5	336	321	315	320	329	330	331	330	328	328	328	330	330
	6	374	363	363	346	342	332	331	334	337	341	328	341	348
	7	363	346	334	332	333	332	332	328	333	334	332	332	342
	8	365	349	336	324	317	318	315	324	326	325	320	316	336
	9	317	317	307	305	307	311	320	328	331	324	339	340	324
	10	342	332	331	326	312	302	315	310	321	318	317	314	332
	11	348	338	332	325	321	323	321	317	321	321	331	318	332
	12	353	351	342	333	330	325	314	312	320	314	317	330	333
	13	363	356	332	328	324	323	323	320	320	320	320	319	335
	14	344	334	327	322	328	331	328	329	327	329	329	328	331
	15	355	351	340	330	329	330	330	331	331	329	326	321	338
	16	351	343	329	317	305	318	325	329	329	325	328	325	338
	17	373	367	357	336	322	325	326	325	329	327	322	326	342
	18	345	345	334	319	320	319	325	323	321	319	321	326	333
	19	342	332	332	324	317	319	322	318	318	314	310	309	330
	20	338	320	313	309	310	318	319	327	324	324	325	323	327
	21	353	343	335	327	329	334	332	332	330	329	333	339	339
	22	378	373	342	319	315	312	314	336	311	315	300	302	340
	23	325	317	303	295	285	282	286	285	281	294	286	293	297
	24	323	314	309	300	300	304	305	304	301	301	299	306	310
	25	335	325	315	305	297	297	295	294	299	301	303	306	314
	26	339	329	324	314	307	307	307	309	309	309	308	310	322
	27	361	358	349	340	328	332	324	319	313	315	319	323	335
	28	330	321	318	312	311	316	315	309	291	282	287	298	311
	29	339	331	325	313	307	313	314	316	315	310	304	310	321
	30	341	305	281	263	239	231	221	225	233	248	253	256	295
	31	307	303	298	297	302	308	310	310	308	308	309	307	299
Hourly Means.		346	336	327	318	314	315	315	316	315	315	315	317	327.7

VERTICAL FORCE. A.

HOURLY OBSERVATIONS. — 0.19500 + THE NUMBERS IN THE TABLE.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
JANUARY.	1	307	307	308	307	309	316	310	309	296	289	302	302	—
	2	308	306	306	306	308	309	302	—	—	—	—	—	—
	3	—	—	—	—	—	—	—	294	304	294	291	293	—
	4	309	304	307	305	304	305	296	279	268	258	239	231	—
	5	307	304	302	302	302	304	294	290	286	280	271	273	—
	6	307	307	307	307	307	308	305	298	298	286	271	270	—
	7	313	312	311	307	308	311	312	318	302	294	286	260	—
	8	330	322	330	329	328	327	339	317	302	288	290	288	—
	9	306	313	321	306	305	309	314	315	311	315	304	294	—
	10	305	314	325	321	321	319	315	300	304	294	292	288	—
	11	306	306	309	308	306	307	304	294	285	279	272	264	—
	12	307	308	309	307	308	307	311	310	313	318	318	317	—
	13	318	315	316	316	316	313	305	319	313	304	303	299	—
	14	318	315	316	314	314	320	309	299	293	294	295	298	—
	15	313	313	312	314	314	316	307	297	295	293	299	299	—
	16	308	308	307	304	304	310	294	284	278	266	263	264	—
	17	314	314	314	312	311	314	309	306	299	285	299	310	—
	18	317	320	321	318	313	309	309	294	289	277	277	293	—
	19	314	316	310	312	314	319	314	313	303	288	293	304	—
	20	315	315	311	311	311	311	299	294	273	256	248	268	—
	21	314	315	315	316	314	319	318	299	277	261	266	285	—
	22	304	305	303	305	305	302	293	293	277	265	257	258	—
	23	339	337	327	328	321	328	328	301	279	261	265	272	—
	24	307	307	307	309	307	309	313	310	303	298	290	279	—
	25	313	313	314	314	316	318	313	301	292	287	284	295	—
	26	319	318	318	321	318	318	314	282	260	253	266	282	—
	27	315	315	318	318	315	315	312	299	287	279	295	314	—
	28	326	331	331	330	331	330	327	313	300	290	299	307	—
	29	331	328	330	316	316	325	322	305	281	288	301	306	—
	30	325	322	321	325	326	326	328	308	282	261	277	274	—
	31	325	321	315	315	321	327	320	304	297	284	281	288	—
Hourly Means.		315	314	315	313	313	315	311	302	292	283	283	286	—
Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
JANUARY.	1	319	320	302	302	309	302	304	309	313	316	316	312	308
	2	—	—	—	—	—	—	—	—	—	—	—	—	—
	3	301	307	311	303	311	311	302	307	312	311	310	308	—
	4	253	295	324	334	325	316	315	313	308	310	308	308	296
	5	282	290	285	291	294	300	306	307	308	309	310	308	296
	6	272	286	304	325	331	327	318	312	309	307	313	310	304
	7	262	281	306	316	325	324	325	327	326	325	325	326	308
	8	293	302	311	318	318	315	315	309	311	311	314	314	313
	9	308	299	306	313	314	313	311	307	307	313	307	307	309
	10	300	307	311	304	313	322	312	314	310	311	311	312	309
	11	261	270	273	287	299	307	312	311	309	308	304	313	296
	12	316	314	311	307	308	316	325	325	317	316	319	313	313
	13	293	293	308	319	326	335	331	327	325	322	321	321	315
	14	299	299	302	306	310	310	312	312	313	313	314	314	308
	15	307	314	320	326	323	314	311	311	311	311	312	313	310
	16	273	275	291	304	312	309	309	310	311	315	315	316	297
	17	323	334	343	343	333	323	321	321	321	321	323	321	317
	18	302	302	304	318	320	317	311	314	314	316	315	311	308
	19	331	329	322	321	326	316	309	316	311	315	316	316	314
	20	283	301	311	324	325	315	314	311	314	315	316	317	302
	21	311	317	315	318	307	300	300	302	304	306	306	302	304
	22	272	286	311	335	334	327	316	307	314	320	327	326	302
	23	291	297	307	311	316	311	309	313	314	310	314	309	308
	24	281	293	303	307	308	310	310	313	314	314	317	313	305
	25	306	307	310	331	328	327	325	328	325	322	322	321	313
	26	300	302	313	315	315	311	315	314	315	318	319	316	305
	27	313	303	317	321	319	321	325	325	329	327	325	322	314
	28	309	314	311	310	310	309	315	320	328	333	331	329	318
	29	320	329	327	316	312	316	324	323	325	328	331	328	318
	30	278	304	329	346	353	355	355	360	346	339	334	332	321
	31	294	302	307	311	307	307	309	315	318	319	316	316	309
Hourly Means.		295	302	310	316	318	316	316	316	316	317	317	316	308.3

EASTERLY DECLINATION. A.
HOURLY OBSERVATIONS. — 1° 40' + THE NUMBERS IN THE TABLE.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
FEBRUARY.	1	14.3	14.4	14.3	14.2	14.0	13.2	11.6	10.1	11.7	13.8	15.9	16.3	—
	2	11.5	11.3	11.1	11.0	11.9	14.5	12.0	10.4	11.7	13.1	15.8	18.0	—
	3	15.9	16.0	16.0	15.9	16.0	15.2	12.9	11.2	10.5	10.4	12.9	16.2	—
	4	15.8	15.9	15.8	15.6	15.6	14.7	12.2	10.6	10.3	11.0	13.4	16.1	—
	5	15.3	15.6	15.9	15.6	15.6	15.5	13.3	11.5	11.1	11.4	13.0	14.2	—
	6	14.3	14.7	14.1	15.0	15.7	16.1	14.9	13.4	13.8	14.7	14.5	14.2	—
	7	15.3	15.0	15.1	15.0	15.3	15.1	14.6	13.2	12.5	12.6	12.6	13.7	—
	8	15.7	15.8	15.4	15.5	15.1	15.0	14.8	13.9	13.7	13.7	14.9	16.1	—
	9	15.1	15.0	15.0	14.7	14.1	13.8	12.4	10.9	10.8	12.9	14.9	16.4	—
	10	14.8	14.7	14.3	14.8	14.8	14.3	13.2	11.6	11.3	12.9	14.3	14.3	—
	11	14.1	14.3	14.2	14.4	14.3	13.3	11.1	9.5	9.3	10.0	11.0	13.7	—
	12	15.2	15.3	15.1	15.4	15.2	15.0	13.3	10.4	9.0	6.0	10.6	14.1	—
	13	15.2	15.6	15.1	16.0	17.2	17.0	15.4	12.9	13.0	12.1	14.0	15.6	—
	14	15.0	15.1	15.0	15.1	14.8	14.0	12.2	11.1	9.5	10.4	11.9	14.0	—
	15	16.1	16.1	15.7	15.4	15.3	14.0	12.3	10.5	10.0	10.3	11.8	13.7	—
	16	14.8	14.8	15.0	15.0	14.9	14.1	12.6	11.0	10.8	11.4	13.2	15.4	—
	17	14.4	14.6	14.8	14.7	14.7	14.4	12.5	10.8	10.3	10.8	13.0	15.7	—
	18	14.2	14.4	14.4	14.4	14.5	14.2	12.9	11.0	9.8	9.9	12.4	15.0	—
	19	14.5	14.6	14.2	14.4	14.4	14.6	13.7	10.9	10.3	11.4	14.2	16.4	—
	20	14.6	14.5	14.6	14.6	14.6	14.1	13.2	11.3	10.5	10.5	12.1	14.2	—
	21	14.2	14.2	14.4	14.4	14.4	14.1	12.6	11.3	11.4	12.1	13.1	14.4	—
	22	14.7	14.5	14.6	14.7	14.7	14.4	13.1	11.2	11.0	11.0	11.8	13.7	—
	23	14.9	14.9	14.6	14.5	14.2	13.7	11.2	10.7	10.6	10.9	13.0	14.7	—
	24	14.5	14.4	14.2	14.1	14.4	14.1	13.6	12.4	12.6	13.3	13.9	14.5	—
	25	14.1	14.2	14.0	13.9	13.8	13.4	12.4	11.5	12.2	13.6	14.7	15.8	—
	26	14.4	14.1	14.0	13.8	13.9	13.8	13.6	12.9	12.6	13.4	14.2	15.2	—
	27	14.1	14.1	14.0	13.8	13.8	13.4	12.4	11.3	10.6	11.6	13.8	15.2	—
	28	13.9	13.9	14.1	13.8	13.2	12.6	11.8	11.0	11.2	12.8	13.8	14.8	—
Hourly Means.		14.7	14.7	14.6	14.6	14.7	14.3	12.9	11.4	11.1	11.7	13.4	15.1	—
Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
FEBRUARY.	1	16.3	16.0	14.9	12.9	11.3	11.7	12.2	12.1	11.9	11.8	11.8	11.7	13.3
	2	18.1	18.1	17.3	16.6	16.3	15.8	16.2	16.2	16.2	15.8	15.8	15.2	14.6
	3	16.6	16.6	16.5	16.2	15.4	14.9	15.8	15.6	16.0	15.8	15.7	15.7	15.0
	4	17.7	17.7	18.1	17.3	16.7	16.1	16.4	16.1	15.7	15.4	15.4	15.3	15.2
	5	16.1	17.0	17.3	17.0	16.6	16.2	16.3	15.9	15.9	15.6	15.3	14.5	15.1
	6	16.2	16.4	17.0	17.1	16.9	16.4	16.6	16.3	16.1	15.9	15.8	15.5	15.5
	7	15.5	16.9	17.8	17.4	17.0	16.3	16.5	16.2	16.2	16.1	15.9	15.8	15.3
	8	17.2	17.5	17.4	17.5	17.7	17.2	16.3	16.2	15.6	15.4	15.4	14.3	15.7
	9	17.2	17.1	17.0	16.3	15.7	15.0	14.7	14.2	13.5	13.8	13.8	13.8	14.5
	10	14.7	14.2	14.0	13.3	13.0	13.4	14.8	12.9	12.7	12.4	13.4	13.7	13.7
	11	15.0	15.8	15.9	15.7	15.2	14.9	14.8	14.9	14.9	15.0	15.0	15.0	13.8
	12	16.8	17.6	17.6	17.4	16.9	16.7	16.6	15.1	15.5	15.8	15.5	15.4	14.6
	13	17.6	17.7	17.5	16.7	15.8	15.6	15.6	15.3	15.7	15.2	15.2	14.4	15.5
	14	15.5	16.8	17.0	15.9	15.1	15.1	15.5	15.4	15.3	15.4	14.8	15.3	14.4
	15	16.1	17.0	17.1	16.4	15.4	15.2	15.0	14.9	15.0	14.8	14.8	14.6	14.5
	16	16.6	16.8	17.3	16.2	15.4	14.9	15.2	14.7	14.8	14.8	14.6	14.5	14.5
	17	18.1	18.6	17.8	16.3	16.3	16.1	15.5	15.3	14.8	14.8	14.5	14.2	14.7
	18	17.0	17.1	17.1	16.4	15.7	15.6	15.3	15.3	14.8	14.5	14.7	14.6	14.4
	19	17.3	18.0	17.7	16.6	15.5	15.2	15.4	14.8	14.7	14.6	14.5	14.5	14.7
	20	16.3	17.2	17.7	17.3	16.4	15.2	15.3	14.9	14.6	14.4	14.2	14.4	14.4
	21	16.1	16.9	17.3	17.0	16.3	15.3	15.3	15.2	15.0	15.0	14.7	14.7	14.6
	22	15.7	16.0	15.8	15.6	15.4	15.5	15.4	15.2	14.9	14.7	14.5	14.6	14.3
	23	14.9	15.7	16.1	16.0	15.7	15.5	15.0	14.9	14.7	14.6	14.7	14.5	14.2
	24	15.8	16.3	16.5	16.0	15.6	15.5	15.6	14.7	14.8	14.5	14.4	14.2	14.6
	25	16.3	16.2	15.4	14.8	14.7	14.9	14.8	14.6	14.5	14.5	14.4	14.2	14.3
	26	16.0	16.1	15.4	15.4	15.4	14.7	14.8	14.7	14.6	14.5	14.4	14.2	14.4
	27	15.5	16.1	16.2	16.0	16.1	15.8	15.7	14.6	16.0	15.4	14.2	13.8	14.3
	28	15.5	15.5	15.0	14.8	14.6	14.9	15.2	14.7	14.7	14.4	14.1	14.4	13.9
Hourly Means.		16.3	16.7	16.7	16.1	15.6	15.3	15.4	15.0	15.0	14.8	14.7	14.5	14.57

HORIZONTAL FORCE. A.

HOURLY OBSERVATIONS. — 0.36800 + THE NUMBERS IN THE TABLE.

Mean Batavia Time.		1 A.M.	2	3	4	5	6	7	8	9	10	11	12	—
FEBRUARY.	1	331	330	331	331	333	336	344	—	—	—	—	359	—
	2	332	335	333	337	336	338	341	356	369	377	378	358	—
	3	340	337	338	339	341	346	354	362	384	404	411	396	—
	4	344	342	346	343	345	344	346	356	375	387	392	384	—
	5	337	335	332	332	336	337	340	340	350	358	368	379	—
	6	322	303	315	307	309	312	321	—	—	—	—	—	—
	7	—	—	—	—	—	—	—	—	—	—	—	—	—
	8	—	—	—	—	—	—	—	344	356	368	371	380	—
	9	312	318	318	318	322	328	327	333	348	369	372	363	—
	10	320	323	329	328	325	322	322	332	349	360	375	393	—
	11	290	299	313	317	319	316	322	326	333	346	361	362	—
	12	330	328	334	336	335	340	340	346	364	418	374	350	—
	13	331	307	335	316	297	315	308	323	333	334	357	382	—
	14	312	308	312	318	321	319	321	337	355	375	376	376	—
	15	327	323	327	327	329	331	332	342	356	368	385	390	—
	16	334	334	340	336	331	332	333	350	361	379	386	385	—
	17	331	324	325	322	322	324	336	343	360	385	396	395	—
	18	330	330	330	327	332	331	331	337	349	371	384	384	—
	19	319	323	345	328	333	328	331	341	354	379	384	375	—
	20	326	327	332	330	328	329	331	339	356	375	386	398	—
	21	337	335	336	334	335	340	345	355	371	385	392	400	—
	22	295	321	323	322	323	315	308	308	314	326	340	347	—
	23	308	308	321	313	316	317	318	325	334	346	347	360	—
	24	322	320	321	322	325	326	336	348	359	368	376	377	—
	25	327	325	333	335	328	326	327	336	350	368	378	377	—
	26	326	327	329	329	330	331	339	350	366	380	381	378	—
	27	331	332	332	334	334	335	351	366	383	398	401	392	—
	28	292	294	295	309	317	320	333	340	370	365	377	377	—
Hourly Means.		323	323	328	327	327	328	332	341	356	372	378	378	—
Mean Batavia time.		1 P.M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Montly Means.
FEBRUARY.	1	346	344	340	340	338	334	334	335	333	333	332	331	—
	2	337	331	327	326	327	331	331	336	337	336	336	337	341
	3	386	373	362	350	344	339	337	332	336	345	343	345	356
	4	373	359	350	342	339	340	337	343	344	340	330	308	350
	5	376	364	351	345	337	339	342	345	357	351	345	332	347
	6	—	—	—	—	—	—	—	—	—	—	—	—	—
	7	—	—	—	—	—	—	—	—	—	—	—	—	—
	8	375	365	356	349	341	337	329	327	320	330	309	340	—
	9	356	344	340	335	328	321	321	317	330	320	315	317	332
	10	375	369	362	359	350	355	274	245	259	294	280	287	329
	11	357	343	335	332	335	335	331	329	334	330	329	332	330
	12	330	347	347	325	316	309	303	321	331	331	328	308	337
	13	371	346	335	328	313	316	316	304	295	293	300	322	324
	14	369	361	348	333	327	329	323	331	326	324	323	322	335
	15	382	369	356	343	339	335	332	331	330	328	333	335	344
	16	379	374	357	339	336	338	336	336	337	326	326	327	346
	17	386	374	348	337	342	332	309	309	324	326	319	325	341
	18	381	375	349	320	313	319	317	310	305	318	313	324	337
	19	363	350	344	342	342	330	324	329	328	327	329	325	341
	20	387	373	360	353	350	346	341	339	335	337	336	335	348
	21	397	390	363	344	340	339	333	332	327	318	297	283	347
	22	334	324	303	290	288	294	289	300	303	308	313	326	313
	23	359	350	332	324	317	318	317	318	318	316	320	321	326
	24	370	358	345	334	330	330	328	322	324	325	323	325	338
	25	373	359	349	337	332	331	328	329	327	327	325	323	340
	26	369	358	346	338	335	334	331	332	331	331	331	331	343
	27	377	354	320	307	299	310	309	279	249	241	258	278	328
	28	383	388	338	327	329	335	334	341	330	328	323	313	336
Hourly Means.		369	359	345	335	330	330	323	322	322	322	320	321	337.9

VERTICAL FORCE. A.

HOURLY OBSERVATIONS. — 0.19500 + THE NUMBERS IN THE TABLE.

Mean Batavia Time.	1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
FEBRUARY.	1	315	314	272	311	311	314	323	—	—	—	228	—
	2	317	316	317	316	317	326	326	309	278	256	248	272
	3	337	337	336	335	335	332	340	336	319	297	265	278
	4	329	329	326	327	326	331	337	330	304	279	259	255
	5	344	341	345	344	341	343	354	323	304	292	277	259
	6	347	351	343	342	336	328	329	313	306	314	324	307
	7	345	340	341	344	337	335	346	338	321	324	317	302
	8	347	346	347	346	344	343	347	364	356	343	325	311
	9	363	357	355	354	353	354	362	362	339	310	299	299
	10	364	362	362	362	366	369	381	379	363	336	317	296
	11	365	363	349	350	351	358	366	364	351	324	303	298
	12	351	352	347	349	347	346	364	370	361	307	298	295
	13	355	363	345	357	367	352	376	389	367	341	302	285
	14	361	361	358	355	353	361	362	352	337	318	314	305
	15	374	372	370	367	367	372	375	337	314	293	269	263
	16	333	332	330	331	334	337	351	364	343	314	301	296
	17	358	360	358	360	358	359	358	350	324	293	274	265
	18	355	355	354	356	352	355	367	356	340	310	279	268
	19	356	354	336	349	348	355	357	364	343	312	297	295
	20	366	364	359	358	358	363	368	360	340	312	284	265
	21	356	355	353	352	350	349	357	354	332	310	289	301
	22	382	363	357	360	361	370	387	391	377	361	330	313
	23	367	369	359	366	366	370	381	386	372	354	347	326
	24	373	376	374	373	372	372	380	386	377	362	345	344
	25	375	376	371	372	377	382	387	386	369	355	336	337
	26	376	375	373	372	372	372	370	353	345	325	322	326
	27	368	366	365	365	366	369	369	363	347	329	317	324
	28	367	366	366	361	361	365	366	387	369	372	359	357
Hourly Means.	355	354	349	351	351	353	360	358	341	320	304	295	—
Mean Batavia Time.	1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
FEBRUARY.	1	243	258	283	314	322	313	311	312	315	317	318	—
	2	301	306	322	331	335	337	337	337	340	341	340	315
	3	302	314	317	333	340	335	334	337	334	330	331	324
	4	272	295	304	321	337	340	340	341	341	345	352	320
	5	264	283	301	309	325	326	325	325	322	324	335	319
	6	310	310	316	331	337	340	340	340	342	344	343	331
	7	298	301	310	328	339	345	341	346	346	346	346	333
	8	311	323	337	344	350	358	363	363	366	358	371	347
	9	314	329	337	347	352	367	367	371	368	366	370	348
	10	308	311	321	332	347	351	410	434	408	376	388	359
	11	306	319	326	333	340	346	351	353	354	355	354	343
	12	307	312	317	328	337	348	362	360	346	347	350	340
	13	300	336	352	362	368	369	367	374	378	378	372	355
	14	307	317	344	365	369	375	377	376	377	379	377	353
	15	270	286	301	328	340	342	342	342	342	342	341	333
	16	299	298	310	334	349	351	355	359	367	366	364	337
	17	268	285	325	352	352	362	378	376	368	364	367	341
	18	268	289	324	353	357	358	360	366	368	361	362	340
	19	304	323	344	356	362	367	368	366	366	369	367	347
	20	273	286	312	336	351	356	355	357	360	358	357	340
	21	311	325	341	361	364	365	367	366	367	372	384	349
	22	320	331	351	366	374	366	370	366	365	365	363	360
	23	329	346	361	372	377	377	376	376	377	377	376	366
	24	347	352	368	377	376	376	376	381	380	378	379	371
	25	342	357	372	381	382	379	383	379	380	380	379	372
	26	330	347	370	380	377	377	375	372	374	374	372	362
	27	335	348	364	371	368	365	370	393	417	418	402	366
	28	357	368	395	402	393	384	386	381	389	391	396	376
Hourly Means.	303	316	333	348	354	356	360	362	362	362	363	361	346.2

EASTERLY DECLINATION. A.
HOURLY OBSERVATIONS. — 1° 40' + THE NUMBERS IN THE TABLE.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
M A R C H.	1	14.4	14.1	14.6	13.8	13.3	13.7	13.1	11.6	12.2	12.4	14.7	16.1	—
	2	14.5	14.2	14.2	14.5	13.9	13.7	12.9	11.7	11.7	12.3	12.8	14.4	—
	3	14.5	14.5	14.7	14.6	14.1	14.0	13.1	11.6	11.7	12.6	13.3	13.8	—
	4	13.9	14.4	14.2	14.2	14.2	14.0	13.1	12.4	12.4	13.2	14.4	15.5	—
	5	14.1	14.4	14.2	14.4	14.1	13.9	12.6	12.4	12.5	13.0	13.8	14.6	—
	6	14.1	14.2	14.2	14.4	14.1	13.6	13.1	12.2	12.3	12.6	12.8	13.9	—
	7	14.0	13.9	13.9	13.8	13.7	13.6	13.1	12.1	11.2	11.2	11.5	13.0	—
	8	14.0	13.9	13.8	13.8	13.8	13.7	13.2	11.8	11.4	12.1	13.1	14.0	—
	9	14.2	14.4	14.4	14.2	14.0	13.8	13.0	11.7	12.2	13.4	14.2	15.5	—
	10	14.0	14.0	14.0	14.1	14.1	14.2	13.8	12.8	12.9	13.6	13.8	14.4	—
	11	13.8	14.2	14.1	14.0	13.8	13.8	13.4	12.8	12.3	12.5	13.1	13.9	—
	12	14.2	14.4	14.4	14.5	14.2	14.2	13.4	12.1	11.5	11.6	12.4	13.2	—
	13	13.9	14.1	14.4	14.6	14.5	13.9	12.4	11.0	11.2	11.7	12.1	13.1	—
	14	13.8	13.7	13.7	13.7	13.9	13.8	12.6	11.7	12.0	13.1	14.5	15.0	—
	15	13.8	13.6	13.2	13.7	13.8	13.4	12.4	12.1	11.0	11.0	12.5	13.6	—
	16	13.9	13.9	12.8	13.0	13.3	14.4	13.4	12.5	13.7	14.7	15.4	16.0	—
	17	14.4	14.0	13.8	13.6	13.1	12.5	11.8	11.3	12.4	13.4	14.9	15.4	—
	18	14.1	14.2	14.2	13.9	13.8	14.5	12.6	11.4	11.5	12.8	14.2	15.8	—
	19	14.2	14.1	14.2	14.1	13.9	13.9	13.2	12.3	12.2	12.5	13.2	14.0	—
	20	14.0	14.0	13.9	13.9	13.7	13.2	12.3	11.4	12.3	13.4	14.7	15.7	—
	21	13.8	14.4	14.5	14.7	14.4	14.8	12.9	12.3	12.0	12.2	13.2	14.1	—
	22	14.4	14.1	14.1	14.1	14.0	14.1	13.1	11.5	12.0	13.2	14.2	14.9	—
	23	13.8	13.9	13.7	13.7	13.7	13.6	12.5	11.6	11.2	11.5	12.4	13.2	—
	24	14.4	14.4	14.1	14.1	13.8	13.6	13.0	12.5	12.8	13.2	13.7	13.9	—
	25	14.1	13.9	14.0	13.7	13.7	13.7	13.1	11.5	12.0	13.0	14.2	14.7	—
	26	14.1	14.1	14.0	13.8	13.7	13.9	13.4	12.3	12.5	13.1	14.1	14.7	—
	27	13.7	13.9	13.9	13.8	13.8	14.0	13.4	13.3	13.4	13.3	13.4	13.4	—
	28	14.0	14.1	14.1	14.1	14.1	14.0	13.2	11.7	11.3	12.1	13.1	14.0	—
	29	13.9	13.9	14.0	13.9	13.8	13.8	12.9	11.6	11.0	10.7	11.6	13.1	—
	30	14.1	14.2	14.1	14.2	14.0	13.9	13.3	11.4	11.2	13.1	14.7	15.5	—
	31	14.2	14.2	14.2	14.2	13.8	13.4	12.6	11.8	11.4	13.0	14.2	15.8	—
Hourly Means.		14.1	14.1	14.1	14.0	13.9	13.8	13.0	11.9	12.0	12.6	13.6	14.5	—
Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
M A R C H.	1	16.9	16.9	16.9	16.4	15.3	15.2	14.9	14.6	14.5	14.4	14.4	14.4	14.5
	2	14.9	15.3	15.4	15.5	14.5	14.4	14.6	14.5	14.4	14.1	14.4	14.4	14.1
	3	15.2	15.5	15.5	15.3	14.7	14.8	14.8	14.7	14.5	14.5	14.2	14.1	14.2
	4	16.0	15.7	15.6	13.8	14.4	14.4	14.6	14.7	14.4	14.2	14.1	14.0	14.2
	5	15.2	15.6	15.4	14.6	14.7	14.9	14.7	14.5	14.5	14.1	14.2	13.9	14.2
	6	14.9	16.0	16.1	15.5	15.2	14.9	14.6	14.5	14.4	14.4	14.1	13.8	14.2
	7	15.3	16.2	16.2	16.0	16.2	15.2	15.4	14.7	14.6	14.2	14.0	13.8	14.0
	8	15.2	15.6	15.7	15.8	15.7	15.5	14.9	14.7	14.6	14.4	14.4	14.2	14.1
	9	16.4	16.5	16.3	15.6	15.2	15.2	14.7	14.6	14.2	14.0	14.0	14.1	14.4
	10	15.0	16.1	16.4	16.1	15.7	15.0	14.7	14.6	14.2	14.0	13.9	13.8	14.4
	11	14.7	15.7	16.4	16.1	15.6	14.8	14.6	14.5	14.2	14.0	14.0	13.7	14.2
	12	14.2	15.5	16.1	16.2	16.2	15.6	15.4	15.3	14.6	14.5	14.4	13.7	14.2
	13	14.4	15.4	15.8	15.5	15.0	14.8	14.8	14.9	14.0	13.9	13.8	13.8	13.9
	14	15.5	15.3	15.8	15.3	14.7	14.6	14.4	14.2	14.0	14.0	13.9	13.4	14.0
	15	14.6	16.5	16.6	16.6	15.6	15.8	15.8	15.8	16.8	14.6	14.6	11.8	14.1
	16	15.5	15.0	15.3	14.9	14.6	14.6	14.6	14.6	14.2	14.0	14.0	14.2	14.3
	17	15.3	16.0	16.1	15.2	14.9	14.9	14.7	14.6	14.4	14.1	13.6	14.1	14.1
	18	16.2	15.6	15.3	15.0	16.1	14.9	14.7	14.5	14.1	14.0	14.1	13.9	14.2
	19	14.9	15.0	15.0	15.2	15.0	14.7	14.6	14.4	14.1	14.0	14.1	14.1	14.0
	20	16.6	17.1	16.9	16.6	15.6	14.5	14.5	14.4	13.9	14.1	13.7	14.0	14.4
	21	14.9	15.4	15.8	15.5	14.8	14.4	14.2	14.2	13.8	14.0	14.1	14.2	14.1
	22	15.7	16.1	16.6	16.5	15.5	14.6	14.8	14.2	14.0	14.0	13.9	13.8	14.3
	23	14.0	14.9	15.6	15.5	14.7	14.4	14.4	14.1	14.2	14.1	14.2	13.8	13.7
	24	14.1	14.6	15.6	15.5	15.2	14.8	14.6	14.4	13.9	13.9	13.9	13.9	14.1
	25	14.8	14.8	15.0	15.2	14.8	14.7	14.5	14.4	14.2	14.0	14.1	14.1	14.0
	26	14.8	15.6	15.6	15.2	14.8	14.6	14.5	14.2	13.9	13.9	13.8	13.9	14.1
	27	13.6	14.7	14.9	15.4	14.9	14.5	14.5	14.2	13.8	13.8	13.8	13.9	14.0
	28	14.7	15.2	15.0	15.0	15.6	14.9	14.7	14.2	13.9	13.8	13.8	13.9	13.9
	29	13.7	14.4	14.7	14.8	14.8	14.6	14.5	14.4	14.1	14.0	13.9	14.0	13.6
	30	15.5	14.9	15.0	15.4	15.2	14.6	14.6	14.2	14.2	14.2	14.4	14.4	14.2
	31	16.1	16.0	15.8	15.5	14.8	14.7	14.8	14.7	14.2	14.2	14.4	14.4	14.3
Hourly Means.		15.4	15.6	15.8	15.5	15.2	14.8	14.7	14.5	14.3	14.1	14.1	13.9	141.3

HORIZONTAL FORCE. A.

HOURLY OBSERVATIONS. — 0.36800 + THE NUMBERS IN THE TABLE.

Mean Batavia Time.		1 A.M.	2	3	4	5	6	7	8	9	10	11	12	—
MARCH.	1	277	303	296	300	299	302	310	327	338	341	355	361	—
	2	319	317	320	320	322	320	320	331	337	352	367	356	—
	3	313	313	311	313	313	313	317	336	348	359	363	373	—
	4	331	311	317	316	321	316	322	329	350	361	364	364	—
	5	307	317	316	316	318	319	325	327	341	356	364	365	—
	6	321	325	327	329	331	330	331	341	349	360	369	384	—
	7	337	340	345	350	346	346	346	351	362	374	379	376	—
	8	313	317	323	333	332	333	342	350	361	376	384	385	—
	9	330	330	331	332	333	335	335	342	359	370	382	388	—
	10	330	334	338	337	338	340	345	350	361	375	385	392	—
	11	343	343	344	344	346	350	352	355	368	380	394	398	—
	12	339	334	332	336	340	342	346	351	362	370	378	376	—
	13	278	289	295	304	310	312	319	338	353	366	373	375	—
	14	289	295	301	302	322	315	333	336	357	356	358	343	—
	15	331	334	333	324	325	320	327	333	347	368	387	375	—
	16	181	259	217	219	245	231	232	233	252	232	232	224	—
	17	272	277	280	285	286	289	298	283	298	305	306	312	—
	18	261	265	267	271	271	273	275	308	322	339	343	342	—
	19	294	290	295	292	299	303	307	322	331	343	351	353	—
	20	307	308	313	317	318	322	327	335	332	344	358	361	—
	21	290	306	291	307	300	293	302	350	361	363	366	369	—
	22	333	336	333	349	347	347	350	303	310	319	327	331	—
	23	284	288	293	296	304	313	318	328	342	358	368	378	—
	24	282	290	294	295	297	299	308	317	328	340	353	350	—
	25	296	298	298	302	302	307	311	322	335	351	359	367	—
	26	296	299	298	298	301	303	305	317	331	343	354	361	—
	27	293	294	297	298	298	301	300	308	326	328	336	347	—
	28	294	297	299	298	302	307	312	324	338	355	369	370	—
	29	294	297	296	294	296	302	306	320	332	343	356	359	—
	30	292	296	300	302	305	312	309	322	337	353	364	359	—
	31	294	298	299	300	306	307	309	314	326	328	350	352	—
Hourly Means.		301	306	306	309	312	313	317	326	339	349	358	360	—
Mean Batavia Time.		1 P.M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
MARCH.	1	365	350	305	293	285	304	304	315	319	311	309	313	316
	2	348	327	298	284	281	298	305	305	303	304	308	309	319
	3	362	351	337	314	309	312	313	311	312	310	308	290	325
	4	362	348	341	333	327	324	320	319	324	321	317	312	331
	5	358	351	343	336	331	329	327	327	327	327	321	317	332
	6	382	366	354	342	336	333	331	330	331	326	318	331	341
	7	384	372	359	345	338	337	322	331	329	331	325	328	348
	8	373	365	345	334	328	331	332	328	328	328	329	331	342
	9	380	359	345	336	333	333	332	331	330	330	331	328	343
	10	389	374	355	345	343	340	337	336	341	341	342	346	351
	11	392	379	364	353	350	350	347	345	346	347	346	345	358
	12	373	355	333	318	310	297	287	278	277	279	284	282	328
	13	367	355	342	326	320	305	291	270	262	283	294	286	317
	14	340	325	315	313	318	319	318	317	319	317	313	328	323
	15	358	309	289	299	317	248	210	160	172	162	156	234	292
	16	215	214	208	215	214	230	244	246	258	265	258	260	233
	17	305	291	285	284	285	286	286	284	280	281	289	276	288
	18	332	312	302	297	300	299	301	297	294	294	293	290	298
	19	347	330	313	310	309	308	307	307	305	305	304	305	314
	20	353	333	312	302	298	297	288	290	301	290	296	295	317
	21	364	346	332	329	326	332	331	327	334	338	339	333	330
	22	319	304	288	287	287	279	277	279	287	286	284	283	310
	23	368	337	321	307	308	307	305	299	294	295	288	289	316
	24	338	322	313	300	297	296	295	293	291	292	296	296	308
	25	359	342	318	310	303	299	295	296	294	295	296	296	315
	26	354	333	311	299	301	299	294	293	293	290	290	289	311
	27	350	329	306	299	299	303	298	297	295	295	295	288	308
	28	361	341	325	308	296	298	295	302	301	299	299	293	316
	29	350	326	312	302	301	302	299	297	297	293	294	294	311
	30	343	323	307	300	303	301	300	298	297	298	294	295	313
	31	344	320	301	293	294	290	286	279	282	286	288	283	305
Hourly Means.		353	335	319	310	308	306	302	300	301	301	300	301	318.0

VERTICAL FORCE. A.

HOURLY OBSERVATIONS. — 0.19500 + THE NUMBERS IN THE TABLE.

Mean Batavia Time.	1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—	
M A R C H.	1	426	407	395	395	394	395	404	396	379	366	341	344	—
	2	382	383	383	383	383	387	394	382	379	365	348	347	—
	3	383	384	386	383	385	385	394	369	351	330	322	311	—
	4	355	368	362	362	360	367	369	366	353	333	321	319	—
	5	374	366	364	365	364	365	368	348	322	307	306	307	—
	6	353	349	347	347	346	349	351	350	337	315	310	296	—
	7	346	342	340	335	339	341	350	365	350	329	319	318	—
	8	373	367	361	351	352	354	357	345	327	301	294	296	—
	9	346	346	343	342	341	345	351	340	317	305	294	289	—
	10	349	345	342	342	342	339	348	359	343	325	322	321	—
	11	352	352	352	351	351	350	359	365	356	341	329	313	—
	12	351	355	355	350	347	346	354	366	355	337	337	324	—
	13	358	350	344	336	335	339	350	342	325	305	300	291	—
	14	349	338	336	338	326	332	331	331	314	307	305	322	—
	15	329	328	330	335	334	341	349	361	351	319	296	298	—
	16	407	350	382	378	358	368	369	371	362	363	360	380	—
	17	365	364	363	362	366	371	372	346	327	310	301	302	—
	18	353	349	345	341	342	344	346	329	321	302	305	304	—
	19	336	334	334	331	326	326	334	340	331	317	305	299	—
	20	342	340	336	335	333	335	334	329	321	305	298	293	—
	21	353	340	349	336	342	347	357	361	345	334	324	324	—
	22	347	344	346	335	336	336	346	364	342	321	313	309	—
	23	365	361	358	355	351	350	356	344	337	327	316	307	—
	24	363	355	351	351	349	350	348	341	331	324	319	316	—
	25	351	350	350	349	349	346	360	357	341	321	310	309	—
	26	359	358	359	360	358	356	357	360	349	329	314	306	—
	27	368	364	363	361	364	363	366	371	352	342	329	326	—
	28	369	366	365	366	366	365	371	375	362	343	330	332	—
	29	379	373	373	375	375	375	378	354	342	335	313	317	—
	30	368	365	361	361	360	360	374	345	322	299	290	300	—
	31	345	342	341	340	340	342	346	347	322	302	291	285	—
Hourly Means.	361	356	355	353	352	354	359	355	341	324	315	313	—	
Mean Batavia Time.	1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.	
M A R C H.	1	352	369	391	402	403	394	393	386	384	391	391	389	387
	2	354	369	387	395	400	386	384	386	390	391	390	386	381
	3	319	325	344	370	372	367	372	368	370	371	375	384	363
	4	323	340	353	360	360	362	365	369	366	367	371	374	356
	5	311	322	341	353	350	350	352	354	349	355	356	357	346
	6	294	302	327	341	347	350	352	351	352	353	360	350	339
	7	309	323	339	351	354	362	370	362	363	364	367	366	346
	8	306	317	332	340	343	344	345	349	350	349	348	347	340
	9	300	320	338	351	352	350	351	353	353	353	350	351	337
	10	322	338	351	360	360	360	360	360	355	356	353	352	346
	11	312	322	333	345	347	350	351	351	351	349	350	350	345
	12	316	332	350	364	371	366	371	370	370	365	358	360	353
	13	291	298	315	332	334	345	357	368	367	359	346	353	335
	14	329	337	340	345	339	336	337	339	336	338	341	334	333
	15	302	342	365	360	340	371	419	455	440	440	436	364	359
	16	389	384	379	364	367	364	363	367	364	362	367	366	370
	17	308	318	331	338	341	340	343	344	350	352	344	351	342
	18	311	328	337	334	333	331	333	337	339	337	338	335	332
	19	298	313	320	330	340	342	342	343	346	347	346	344	330
	20	299	312	338	349	355	355	356	355	349	355	352	348	334
	21	327	339	346	346	351	351	350	351	349	345	345	348	344
	22	317	326	344	353	359	368	368	368	365	367	368	369	346
	23	306	322	336	351	358	355	356	358	360	360	362	363	346
	24	322	331	335	346	353	354	355	356	357	356	352	351	344
	25	316	334	350	356	361	362	365	363	362	362	361	360	348
	26	306	320	345	361	366	367	370	369	371	372	373	368	352
	27	330	341	363	373	372	373	375	378	378	375	374	377	362
	28	340	353	368	384	384	381	384	380	380	380	381	383	367
	29	334	351	363	367	364	365	368	369	370	373	369	369	360
	30	313	333	339	342	343	347	347	347	348	348	348	347	342
	31	301	327	343	354	356	356	360	363	361	357	354	356	339
Hourly Means.	318	332	347	355	357	358	362	364	363	363	362	360	349.2	

EASTERLY DECLINATION. A.

HOURLY OBSERVATIONS. — 1° 40' + THE NUMBERS IN THE TABLE.

Mean Batavia Time.		1 A.M.	2	3	4	5	6	7	8	9	10	11	12	—
A P R I L.	1	13.9	13.9	13.5	13.2	13.3	13.1	12.6	11.3	10.7	11.5	12.5	14.4	—
	2	13.2	13.7	13.6	13.1	12.9	12.6	11.7	10.7	10.4	11.6	13.5	15.0	—
	3	13.7	13.7	13.3	13.4	13.2	12.7	11.3	9.6	9.3	11.5	13.3	14.5	—
	4	13.2	13.9	13.7	13.2	13.3	12.8	11.8	10.8	11.5	12.3	13.6	14.8	—
	5	13.5	13.5	13.3	13.3	13.4	12.8	11.8	10.7	11.3	12.3	13.7	14.8	—
	6	13.5	13.6	13.7	13.9	13.4	12.9	12.1	11.3	11.6	12.3	12.9	13.7	—
	7	13.9	13.9	14.0	13.7	13.5	13.2	12.9	12.7	11.3	11.7	12.8	13.4	—
	8	13.6	13.7	13.4	13.4	13.3	13.1	12.3	11.2	10.9	11.6	13.1	14.1	—
	9	13.1	13.4	13.9	14.1	14.3	14.4	14.2	12.0	11.1	11.3	12.1	13.1	—
	10	13.3	13.4	13.7	13.5	13.2	13.1	12.3	10.9	10.5	10.7	11.9	12.7	—
	11	13.7	13.9	13.9	13.6	13.3	13.5	13.4	12.8	12.0	12.3	12.9	14.2	—
	12	13.6	13.5	13.7	13.4	13.1	13.1	12.5	11.6	11.1	11.6	12.6	13.4	—
	13	13.3	13.4	13.7	13.2	12.9	12.9	12.7	12.4	12.6	13.1	14.3	15.1	—
	14	14.0	13.7	13.9	13.6	13.3	13.1	11.9	10.0	9.3	10.4	12.3	12.7	—
	15	13.9	14.0	14.0	13.7	13.5	13.3	12.3	11.3	10.7	10.8	12.5	13.2	—
	16	13.5	14.0	14.2	14.4	13.6	13.9	13.4	11.7	10.8	11.6	11.6	11.8	—
	17	13.7	13.9	13.2	13.3	13.2	13.1	12.6	11.8	11.0	11.7	12.7	14.3	—
	18	13.2	13.1	13.3	12.9	12.8	12.8	12.5	11.6	11.6	12.6	14.3	14.9	—
	19	13.4	13.3	13.3	12.9	13.2	13.1	12.4	11.3	11.8	12.9	13.9	14.4	—
	20	13.1	13.2	13.3	13.2	13.2	13.2	12.0	10.5	9.8	10.3	10.9	12.0	—
	21	13.9	13.9	13.9	13.7	14.4	13.9	13.7	11.0	11.0	11.9	12.5	14.0	—
	22	14.3	14.3	14.2	14.2	14.1	14.2	14.8	14.3	13.4	13.5	14.0	14.9	—
	23	14.3	14.3	14.4	14.4	14.4	14.4	14.3	12.8	12.4	12.7	14.0	15.5	—
	24	14.1	14.3	14.2	14.0	14.0	14.1	14.1	13.2	12.5	12.9	13.7	14.3	—
	25	14.4	14.7	14.5	14.5	14.4	14.5	14.3	12.4	12.3	13.1	13.9	14.4	—
	26	14.3	14.3	14.4	14.5	14.2	14.3	13.7	12.6	12.7	14.3	15.2	15.9	—
	27	14.3	14.5	14.9	14.7	14.3	14.1	14.3	11.9	12.5	13.2	14.7	15.0	—
	28	14.7	14.9	14.8	14.4	14.3	14.3	14.4	13.9	13.6	15.0	15.8	15.5	—
	29	14.2	14.3	14.3	14.2	14.2	14.0	13.3	12.1	11.8	12.3	12.6	12.9	—
	30	14.1	14.2	14.3	14.2	14.4	14.5	14.8	13.7	12.7	12.4	12.6	12.7	—
Hourly Means.		13.8	13.9	13.9	13.7	13.6	13.5	13.0	11.8	11.5	12.2	13.2	14.1	—
Mean Batavia Time.		1 P.M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
A P R I L.	1	16.1	16.3	15.3	15.5	14.8	14.4	14.8	13.7	13.7	13.7	13.2	13.2	13.7
	2	16.3	16.5	16.3	15.6	15.0	14.2	14.0	13.7	13.3	13.5	13.6	13.7	13.7
	3	14.3	13.7	13.3	13.2	13.9	14.4	13.9	14.0	13.4	13.3	13.3	12.7	13.0
	4	14.8	14.4	14.9	14.0	15.0	14.1	13.7	13.7	13.7	13.6	13.6	13.5	13.5
	5	14.9	14.9	14.7	14.3	13.9	13.7	13.6	13.4	13.3	13.2	13.4	13.5	13.4
	6	14.3	14.5	14.3	14.1	13.9	13.5	13.5	13.4	13.3	13.5	13.5	13.7	13.4
	7	14.1	14.3	14.3	14.3	14.2	14.2	13.9	13.6	13.5	13.5	13.4	13.4	13.5
	8	14.4	13.9	14.3	14.7	15.8	14.7	13.9	13.2	13.4	13.4	13.1	13.3	13.4
	9	13.3	14.2	15.5	15.5	15.2	14.3	14.2	13.7	13.7	13.6	13.6	13.7	13.6
	10	13.2	14.2	15.3	15.6	15.0	14.4	14.1	14.0	13.9	13.9	13.9	13.7	13.4
	11	13.9	14.1	14.8	14.9	14.5	14.2	13.7	13.4	13.2	13.2	13.3	13.4	13.6
	12	13.5	14.1	14.8	15.3	14.9	14.2	14.0	13.9	13.6	13.5	13.2	13.3	13.4
	13	15.3	15.2	15.6	16.4	15.9	14.4	13.9	13.4	13.3	13.3	13.2	13.6	13.9
	14	12.8	13.1	13.9	14.4	14.1	13.9	13.9	13.7	13.5	13.4	13.6	13.7	13.0
	15	13.7	14.4	15.0	15.1	15.2	14.1	13.6	13.4	13.1	13.3	13.2	12.5	13.3
	16	12.1	12.8	13.1	13.3	13.4	13.6	13.9	13.4	13.3	13.3	12.9	13.4	13.0
	17	15.6	14.3	14.3	14.1	14.0	14.1	13.9	13.4	13.3	13.3	13.3	13.2	13.4
	18	14.9	14.7	15.0	14.1	13.9	13.5	13.7	13.5	13.4	13.1	13.1	13.2	13.4
	19	14.8	15.3	15.2	15.1	14.5	14.3	14.8	14.0	13.7	13.2	13.1	13.1	13.6
	20	12.9	13.1	13.2	13.9	14.0	13.9	13.9	13.6	13.2	13.2	13.2	13.6	12.8
	21	14.7	14.2	14.7	15.0	15.8	15.5	15.2	14.2	13.6	14.1	14.3	14.1	13.9
	22	15.2	15.3	15.3	15.2	15.1	14.9	14.8	14.4	14.2	14.1	14.1	14.2	14.5
	23	15.7	15.6	15.2	15.5	15.3	14.4	14.3	14.4	14.2	14.1	14.1	14.0	14.4
	24	14.5	14.5	14.8	15.1	15.2	14.8	14.7	14.4	14.4	14.5	14.4	14.7	14.2
	25	14.8	15.0	14.9	15.1	15.0	14.2	14.1	14.0	13.7	14.0	14.0	14.2	14.2
	26	15.7	15.2	14.8	15.0	14.7	14.2	14.2	14.0	13.9	13.7	14.1	14.2	14.3
	27	14.5	14.9	14.7	14.9	15.1	15.0	13.7	13.9	13.7	13.6	14.0	14.4	14.2
	28	15.2	14.8	15.0	16.3	15.7	15.3	15.5	14.7	13.9	13.9	13.5	14.0	14.7
	29	13.7	14.9	15.3	15.6	15.5	15.0	14.4	14.1	14.2	13.9	14.2	14.1	14.0
	30	12.9	13.7	15.0	15.5	15.2	15.0	14.9	14.2	13.9	14.1	14.1	14.0	14.0
Hourly Means.		14.4	14.5	14.8	14.9	14.8	14.3	14.2	13.8	13.6	13.6	13.6	13.6	13.68

HORIZONTAL FORCE. A.

HOURLY OBSERVATIONS. — 0.36800 + THE NUMBERS IN THE TABLE.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
A P R I L.	1	318	327	327	333	335	341	348	358	361	375	398	398	—
	2	293	300	311	311	319	323	327	337	352	363	373	372	—
	3	316	313	325	321	323	325	328	338	351	358	383	375	—
	4	289	291	301	305	311	312	320	338	351	366	383	375	—
	5	316	314	315	319	318	322	331	346	355	375	394	380	—
	6	321	322	323	324	325	327	332	346	361	376	386	382	—
	7	322	323	321	328	327	330	334	347	365	383	386	380	—
	8	314	315	320	319	316	325	341	359	371	398	383	361	—
	9	266	275	281	287	294	306	326	336	350	360	365	366	—
	10	316	308	308	310	314	319	332	342	348	362	375	374	—
	11	306	311	312	317	319	324	331	335	346	364	370	364	—
	12	325	319	319	324	331	336	336	345	355	366	375	369	—
	13	311	312	315	320	320	321	325	345	351	365	365	355	—
	14	290	307	310	315	319	326	336	358	369	373	381	382	—
	15	323	322	325	318	312	318	319	329	340	350	354	342	—
	16	283	290	304	303	320	336	336	346	359	363	361	351	—
	17	291	297	304	302	307	312	322	334	352	368	379	379	—
	18	310	311	312	316	318	324	335	350	365	381	393	384	—
	19	311	312	314	318	323	317	322	334	344	355	368	394	—
	20	277	281	292	305	308	316	328	334	347	353	362	353	—
	21	312	321	321	320	320	327	332	347	356	365	377	374	—
	22	313	313	315	314	313	316	322	336	351	364	376	369	—
	23	316	321	321	322	323	324	331	343	352	365	371	364	—
	24	327	328	328	332	335	336	346	361	377	397	404	392	—
	25	302	309	311	313	308	319	327	335	346	353	350	348	—
	26	316	319	318	326	322	322	332	345	351	355	366	360	—
	27	309	306	316	321	328	329	340	352	350	348	329	299	—
	28	302	294	312	310	310	318	325	378	390	376	369	355	—
	29	275	279	276	284	287	293	301	312	321	336	340	331	—
	30	306	304	305	308	312	314	324	338	349	363	364	351	—
Hourly Means.		306	308	312	315	317	322	330	343	355	366	373	366	—
Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
A P R I L.	1	376	373	312	302	302	305	297	312	312	306	314	304	335
	2	358	341	333	327	318	316	313	312	319	318	319	317	328
	3	354	347	327	323	309	302	313	309	305	301	294	298	327
	4	357	341	331	312	315	314	317	313	310	312	315	318	325
	5	363	344	334	329	327	324	323	320	319	319	321	321	335
	6	374	355	340	331	336	337	333	327	331	328	331	325	341
	7	363	344	327	319	316	314	313	305	309	312	313	315	333
	8	328	303	284	270	273	294	288	272	269	270	275	266	313
	9	350	332	317	298	297	295	291	299	297	297	293	295	311
	10	350	345	333	327	318	318	311	304	310	302	297	303	326
	11	345	333	326	318	315	313	308	306	303	306	304	303	324
	12	365	356	332	313	303	302	306	305	304	307	308	309	330
	13	332	298	284	268	265	263	257	253	265	268	268	279	304
	14	373	358	335	318	303	304	311	313	317	318	321	318	331
	15	322	308	297	282	277	288	290	294	283	283	284	292	311
	16	342	326	314	309	302	292	285	281	290	290	302	300	316
	17	348	317	319	312	308	306	305	303	306	309	309	309	321
	18	372	357	336	311	312	320	312	300	294	304	309	309	331
	19	377	360	349	338	327	319	294	286	281	302	311	293	327
	20	344	345	341	329	316	312	316	304	312	312	312	313	321
	21	369	350	336	326	303	289	296	308	318	314	309	312	329
	22	358	350	336	325	321	317	317	317	318	319	319	318	330
	23	351	340	335	329	323	323	321	318	314	313	320	322	332
	24	376	346	337	331	323	320	320	314	316	312	309	304	340
	25	337	328	320	308	306	312	312	309	309	311	312	314	321
	26	349	340	336	330	326	324	321	316	304	314	304	308	329
	27	282	269	263	263	272	272	280	284	286	287	288	289	303
	28	340	338	315	273	265	244	228	231	251	258	264	277	305
	29	318	312	304	302	301	306	304	303	295	294	302	305	303
	30	339	323	313	308	311	314	313	312	311	312	313	316	322
Hourly Means.		350	336	322	311	306	305	303	301	302	303	305	305	323.5

BATAVIA 1885. — MAGNETICAL OBSERVATIONS.

VERTICAL FORCE. A.

HOURLY OBSERVATIONS. — 0.19500 + THE NUMBERS IN THE TABLE.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
A P R I L.	1	361	356	355	351	351	348	351	389	381	362	334	334	—
	2	420	409	399	399	395	398	399	377	359	338	330	333	—
	3	389	388	380	381	382	386	391	388	361	346	325	342	—
	4	410	404	393	389	387	389	392	379	364	349	331	335	—
	5	390	390	390	387	388	388	384	371	343	319	286	309	—
	6	391	390	389	388	387	387	381	361	341	325	319	322	—
	7	387	385	385	377	378	377	377	359	343	324	313	319	—
	8	371	371	369	370	372	367	360	337	322	294	291	317	—
	9	385	376	371	366	363	359	354	360	352	339	322	325	—
	10	372	376	378	376	375	373	374	358	341	320	302	298	—
	11	371	368	367	367	364	360	355	358	349	328	330	334	—
	12	364	367	369	367	362	362	367	363	348	327	309	311	—
	13	376	376	375	372	374	373	373	368	362	337	320	335	—
	14	378	370	371	371	373	375	377	366	353	335	317	326	—
	15	378	376	375	381	387	381	392	412	398	377	356	359	—
	16	405	401	389	395	386	375	389	386	380	367	363	366	—
	17	398	393	388	390	390	387	388	376	359	339	318	309	—
	18	388	387	385	384	383	376	373	340	328	309	289	304	—
	19	384	382	381	379	376	381	384	379	357	343	332	331	—
	20	394	385	372	361	361	358	361	368	351	335	335	348	—
	21	381	376	376	377	376	369	373	365	349	332	322	328	—
	22	381	381	378	378	379	374	366	357	355	345	335	337	—
	23	381	378	378	377	377	375	376	365	358	339	320	323	—
	24	364	361	363	362	362	360	355	349	336	318	313	324	—
	25	384	373	373	373	374	367	373	376	358	336	336	344	—
	26	358	356	356	352	359	359	355	348	325	307	306	323	—
	27	373	372	367	364	364	366	358	360	342	330	328	352	—
	28	363	370	361	367	369	365	361	343	323	319	324	334	—
	29	381	378	380	377	377	378	378	371	356	342	336	347	—
	30	376	377	376	375	373	371	371	364	356	343	336	345	—
Hourly Means.		382	379	376	375	375	373	373	366	352	334	323	330	—
Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
A P R I L.	1	366	384	438	443	433	422	420	413	410	416	412	414	385
	2	341	355	367	376	389	390	393	394	389	390	389	389	380
	3	370	389	398	396	398	398	396	397	404	403	410	403	384
	4	352	363	365	373	377	387	389	390	394	395	393	390	379
	5	334	362	385	395	395	392	393	395	395	394	390	390	374
	6	335	346	367	375	374	377	385	387	386	385	384	384	369
	7	334	351	370	378	377	373	376	377	376	373	373	373	365
	8	363	385	392	387	371	364	373	386	387	385	378	382	362
	9	348	368	377	394	396	394	396	388	387	386	389	385	370
	10	318	329	340	354	369	374	378	381	375	379	381	374	358
	11	352	364	367	371	381	384	386	386	385	381	378	378	365
	12	326	331	341	362	379	388	387	384	383	383	381	378	360
	13	353	370	388	402	416	416	408	406	397	395	395	384	378
	14	334	337	340	362	372	380	385	385	384	384	381	381	364
	15	368	375	387	396	406	408	409	406	414	412	408	411	391
	16	371	378	387	394	397	403	406	408	402	402	396	394	389
	17	335	370	371	382	389	391	394	396	396	393	393	390	376
	18	332	348	365	386	387	383	388	395	397	392	387	386	366
	19	320	345	348	360	372	377	390	394	397	378	373	384	369
	20	368	377	371	376	384	385	386	391	386	385	385	381	371
	21	336	358	362	367	385	395	389	384	377	381	384	381	368
	22	353	361	364	373	380	384	383	383	382	381	380	381	370
	23	339	360	371	372	376	376	374	376	376	375	369	367	366
	24	336	363	369	373	379	382	377	379	376	377	379	380	360
	25	343	352	364	379	383	368	367	369	369	365	363	360	365
	26	343	357	364	369	374	377	374	376	383	373	381	374	356
	27	370	378	382	379	379	380	378	377	376	374	373	371	366
	28	364	363	379	396	406	409	420	416	401	393	389	381	372
	29	354	348	352	363	370	375	379	381	384	387	384	378	369
	30	348	345	347	353	364	368	373	376	374	375	375	373	364
Hourly Means.		347	360	371	380	385	387	388	389	388	386	385	383	370.4

EASTERLY DECLINATION. A.

HOURLY OBSERVATIONS. — 1° 40' + THE NUMBERS IN THE TABLE.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
M A Y.	1	14.0	14.0	14.2	13.9	14.0	14.3	14.5	13.7	13.2	14.0	14.1	13.7	—
	2	14.1	14.2	14.2	14.0	14.0	13.9	13.1	10.1	9.2	10.5	12.4	13.3	—
	3	14.3	14.5	14.5	14.5	14.9	14.1	13.2	11.2	10.7	11.2	12.5	14.0	—
	4	14.4	14.4	14.3	14.3	14.3	14.3	14.2	12.9	11.6	12.0	12.7	13.7	—
	5	14.7	14.9	14.5	14.4	14.3	14.2	13.6	12.1	11.6	12.3	13.5	14.2	—
	6	13.9	14.1	14.2	14.1	14.1	14.5	14.2	12.8	11.8	12.6	12.9	13.4	—
	7	14.2	14.3	14.2	14.1	14.1	14.5	14.5	13.7	12.7	12.1	12.0	12.0	—
	8	14.3	14.5	14.3	14.1	14.2	14.5	15.0	14.7	14.3	14.3	14.4	14.4	—
	9	14.2	13.1	14.3	14.3	14.2	14.7	14.7	13.7	13.3	13.2	13.3	13.4	—
	10	14.3	14.4	14.2	14.1	14.2	14.4	14.8	13.5	13.2	13.4	13.4	13.4	—
	11	14.0	14.1	14.0	14.0	13.9	14.2	14.9	14.3	12.4	11.9	12.4	12.9	—
	12	13.2	13.3	13.6	14.1	13.7	11.6	14.8	13.7	12.6	11.8	12.0	12.3	—
	13	13.7	14.1	14.0	14.3	13.9	13.9	14.1	14.7	13.2	13.2	13.5	13.6	—
	14	13.3	12.8	13.7	14.4	15.9	17.6	16.7	16.4	14.3	13.4	12.4	12.1	—
	15	14.0	14.3	14.4	14.8	14.5	14.5	14.3	13.4	12.7	12.4	12.5	13.2	—
	16	14.1	14.2	14.8	14.8	14.8	15.5	15.5	14.1	11.9	11.8	11.5	11.7	—
	17	14.1	14.5	14.3	14.9	14.7	15.1	14.9	13.7	12.3	12.0	11.9	12.7	—
	18	14.2	14.0	14.3	14.3	14.1	14.8	15.5	14.2	13.2	12.7	12.4	12.9	—
	19	14.1	14.2	14.2	14.4	14.0	14.9	15.1	14.4	14.1	13.2	12.1	12.7	—
	20	14.1	14.2	14.2	14.3	14.3	14.3	15.0	13.9	12.9	12.0	11.6	11.2	—
	21	13.4	14.0	14.3	14.2	14.2	14.2	14.2	14.1	13.6	13.6	13.1	12.8	—
	22	14.0	14.0	14.2	14.1	14.0	14.2	14.4	13.5	12.6	12.6	12.1	11.8	—
	23	14.1	14.2	14.1	14.2	14.1	14.3	14.8	14.1	13.5	13.2	13.5	14.3	—
	24	13.5	13.5	14.2	14.1	14.9	14.1	14.3	13.4	12.7	12.8	12.9	13.4	—
	25	13.1	13.6	13.7	14.0	14.0	14.7	15.0	14.2	13.2	12.1	11.6	11.7	—
	26	14.2	13.6	14.2	14.2	14.4	14.8	16.4	15.5	14.1	13.6	14.1	16.0	—
	27	14.0	14.1	13.9	13.5	13.9	14.7	15.8	15.2	13.9	14.0	13.2	13.6	—
	28	13.7	13.3	13.4	13.6	13.6	14.3	15.9	14.1	14.9	13.9	14.1	14.3	—
	29	13.4	13.6	13.3	13.9	14.1	14.8	15.2	14.4	13.6	13.5	13.1	12.9	—
	30	14.1	14.0	14.1	14.5	15.1	14.7	15.6	15.3	13.6	13.6	13.3	13.4	—
	31	14.0	14.4	14.1	14.2	14.3	15.0	15.6	14.3	13.6	13.2	12.9	13.6	—
Hourly Means.		14.0	14.0	14.1	14.2	14.3	14.5	14.8	13.8	12.9	12.8	12.8	13.2	—
Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
M A Y.	1	14.4	15.5	15.7	15.7	15.1	14.4	14.4	14.1	14.2	14.1	14.2	14.2	14.3
	2	14.4	15.8	16.3	15.5	14.7	15.0	14.5	14.0	14.1	14.2	14.3	13.9	13.7
	3	14.7	15.3	15.9	15.2	15.2	14.5	14.3	14.1	14.1	14.1	14.2	14.3	14.0
	4	14.8	16.0	16.1	15.7	15.0	14.3	14.0	14.0	13.9	14.1	14.3	14.3	14.2
	5	14.8	15.0	15.1	14.8	14.9	14.3	14.1	14.0	13.9	14.0	14.1	14.2	14.1
	6	13.7	14.3	14.3	14.9	14.4	14.1	14.2	14.0	14.1	13.9	14.0	14.2	13.9
	7	12.8	13.9	14.5	14.5	14.4	14.9	14.4	14.1	14.2	14.1	14.2	14.2	13.9
	8	14.1	14.9	15.5	15.9	15.9	15.1	14.8	14.3	14.2	14.1	14.2	14.2	14.6
	9	13.7	14.2	14.0	14.2	14.7	14.7	14.4	14.1	13.7	13.9	13.9	14.2	14.0
	10	13.5	13.2	13.4	13.3	14.0	13.1	13.9	13.5	14.2	15.0	14.0	14.0	13.9
	11	13.9	14.2	14.4	15.1	15.3	15.1	15.5	14.9	14.2	14.0	13.1	13.1	14.0
	12	12.0	12.9	13.9	15.5	15.0	14.4	13.7	13.5	13.3	13.2	12.7	13.7	13.4
	13	14.1	14.0	14.4	14.4	14.4	13.9	14.1	13.9	14.1	14.1	13.7	13.3	13.9
	14	13.2	13.6	15.3	15.3	15.2	14.7	14.7	14.4	14.1	14.0	14.0	14.0	14.4
	15	14.0	14.4	15.3	15.7	15.0	14.3	14.1	13.7	14.1	13.9	14.1	14.1	14.1
	16	12.3	12.9	14.3	15.6	15.5	15.5	14.1	13.7	13.4	13.3	13.7	13.9	13.9
	17	14.0	14.5	15.1	15.1	14.9	14.9	14.3	14.3	14.0	13.5	13.4	13.9	14.0
	18	13.2	13.3	14.0	13.9	14.0	13.7	13.5	13.4	13.3	13.4	13.2	13.7	13.7
	19	13.3	14.2	14.8	15.1	15.0	14.4	14.2	14.1	13.9	13.7	13.9	13.9	14.1
	20	11.8	13.2	14.2	15.1	14.3	14.1	14.0	13.6	13.6	13.7	13.7	14.0	13.6
	21	13.1	14.0	15.0	15.3	14.8	14.3	14.4	14.3	14.1	14.2	14.2	14.2	14.1
	22	12.6	13.2	14.9	15.3	15.1	14.3	14.2	14.1	14.0	14.0	14.0	14.0	13.8
	23	14.8	14.9	14.9	14.7	14.3	14.2	14.0	13.7	13.3	13.3	13.5	13.5	14.1
	24	14.1	14.5	14.5	14.5	15.0	14.5	14.4	14.2	14.0	14.0	13.2	13.1	13.9
	25	13.1	14.0	14.2	14.7	14.4	14.3	14.2	13.7	12.1	13.7	13.3	13.7	13.6
	26	17.7	16.1	15.3	14.5	15.0	15.1	14.3	14.0	13.3	13.4	13.9	13.7	14.6
	27	14.7	16.0	15.5	14.9	14.4	14.8	13.7	13.7	14.2	13.7	13.3	12.7	14.2
	28	15.3	15.9	16.0	16.5	15.6	14.9	14.2	13.7	13.4	13.2	13.5	13.3	14.4
	29	12.8	13.4	14.2	14.5	14.8	14.2	14.0	13.4	13.3	13.2	12.9	13.5	13.8
	30	14.0	14.0	13.9	14.1	14.2	14.1	13.7	14.1	14.0	13.7	13.9	14.3	14.1
	31	13.9	14.3	14.8	14.4	14.9	14.4	14.2	14.1	13.9	14.1	14.0	14.0	14.2
Hourly Means.		13.8	14.4	14.8	15.0	14.8	14.5	14.2	14.0	13.8	13.8	13.8	13.8	14.02

HORIZONTAL FORCE. A.

HOURLY OBSERVATIONS. — 0.36800 + THE NUMBERS IN THE TABLE.

Mean Batavia Time.		1 A.M.	2	3	4	5	6	7	8	9	10	11	12	—
MAY.	1	317	315	314	317	317	324	329	337	349	361	361	361	—
	2	323	322	323	324	327	332	339	350	363	380	387	381	—
	3	309	307	312	314	315	326	331	346	359	371	370	361	—
	4	318	322	322	324	328	330	347	364	377	394	403	404	—
	5	318	326	332	331	336	344	356	366	373	382	381	373	—
	6	321	321	325	326	327	330	346	350	360	373	370	369	—
	7	316	314	321	323	327	331	336	346	361	372	373	367	—
	8	321	322	327	336	327	335	343	351	365	369	367	364	—
	9	312	321	323	323	323	330	340	354	364	374	383	377	—
	10	328	326	335	336	332	339	351	364	367	383	383	379	—
	11	322	320	325	327	336	340	357	371	374	399	398	404	—
	12	241	255	260	263	292	300	309	361	370	371	358	343	—
	13	351	350	349	352	359	360	360	312	322	346	356	354	—
	14	327	314	306	271	259	273	289	258	251	264	273	269	—
	15	276	276	279	282	287	294	304	314	324	333	336	329	—
	16	287	285	290	294	293	297	311	312	325	339	345	346	—
	17	297	298	298	296	311	316	324	320	343	351	353	352	—
	18	300	304	307	304	306	316	322	332	341	348	350	342	—
	19	309	312	312	311	321	318	331	342	350	359	364	355	—
	20	313	318	318	321	317	320	327	336	349	364	373	374	—
	21	328	321	323	321	324	324	321	332	337	334	341	343	—
	22	314	313	317	318	320	321	326	328	339	350	355	354	—
	23	322	324	325	327	327	332	339	349	356	366	374	373	—
	24	320	322	312	315	318	322	333	345	361	376	381	366	—
	25	289	299	306	311	316	327	342	356	362	370	374	369	—
	26	275	295	299	276	302	298	324	337	347	351	329	273	—
	27	253	258	261	279	299	278	294	317	322	315	321	304	—
	28	274	275	270	278	277	285	283	281	293	292	273	272	—
	29	273	271	274	274	279	287	300	311	330	344	340	328	—
	30	280	283	287	282	290	295	302	304	324	328	336	335	—
	31	285	283	303	295	295	296	308	318	330	343	330	335	—
Hourly Means.		304	306	308	308	312	317	327	334	345	255	356	350	—
Mean Batavia Time.		1 P.M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
MAY.	1	351	346	340	333	326	327	324	322	318	320	320	322	331
	2	359	329	316	309	315	310	308	313	306	297	299	319	330
	3	350	342	331	327	321	321	321	318	310	316	319	311	330
	4	389	366	358	350	340	336	336	335	329	323	317	319	347
	5	354	344	333	328	326	328	328	322	321	321	317	314	340
	6	358	352	343	333	331	325	320	313	314	314	313	313	335
	7	360	348	338	331	319	311	317	320	314	308	308	318	332
	8	355	339	323	309	300	297	296	302	297	305	298	303	327
	9	369	364	352	342	332	330	331	330	331	329	333	332	342
	10	376	407	390	374	346	320	344	351	320	297	308	319	349
	11	369	323	295	272	258	242	236	244	229	228	225	231	309
	12	333	326	325	312	323	338	347	349	349	349	358	351	324
	13	351	344	328	336	321	316	311	312	305	268	286	287	331
	14	270	273	268	265	262	260	263	261	265	258	267	273	272
	15	321	311	305	291	296	292	290	293	290	289	285	285	299
	16	334	320	300	279	276	272	281	279	289	289	290	293	301
	17	342	331	315	305	298	292	293	290	285	290	297	296	312
	18	320	318	308	308	312	316	312	312	308	308	308	310	317
	19	351	341	327	315	313	307	309	307	308	311	312	316	325
	20	366	346	337	324	318	313	312	313	314	315	331	323	331
	21	341	330	321	312	313	312	312	310	311	306	307	309	322
	22	346	340	330	320	316	314	314	316	316	317	318	320	326
	23	371	357	343	337	326	318	319	318	320	313	319	322	337
	24	356	342	328	321	304	297	298	279	277	266	275	289	321
	25	363	348	328	316	318	313	311	311	331	332	234	282	327
	26	256	176	187	217	231	232	233	237	244	250	250	256	270
	27	267	249	236	248	249	240	255	258	245	249	252	271	272
	28	255	243	261	243	234	256	253	259	277	262	260	275	268
	29	319	298	285	276	273	272	272	278	275	280	286	283	292
	30	315	300	285	280	274	272	271	266	266	270	277	286	292
	31	334	324	312	303	287	285	290	280	297	287	285	284	304
Hourly Means.		339	325	314	307	302	299	300	300	300	296	295	300	316.6

VERTICAL FORCE. A.

HOURLY OBSERVATIONS. — 0.19500 + THE NUMBERS IN THE TABLE.

Mean Batavia Time.		1 A.M.	2	3	4	5	6	7	8	9	10	11	12	
M A Y.	1	370	370	370	368	370	362	363	359	352	343	349	346	—
	2	367	366	364	364	363	361	365	361	336	290	281	292	—
	3	363	362	359	359	358	353	352	350	334	306	295	299	—
	4	370	368	367	367	365	362	363	355	346	327	316	309	—
	5	370	364	360	362	360	357	356	362	348	327	315	317	—
	6	376	374	370	371	369	364	364	375	364	339	339	340	—
	7	382	382	376	376	373	368	373	359	348	339	329	326	—
	8	362	363	360	355	363	353	352	365	357	347	353	363	—
	9	384	378	378	379	381	375	373	367	358	344	337	335	—
	10	376	378	371	372	375	369	362	348	342	326	324	330	—
	11	377	378	376	376	371	362	354	355	356	338	326	319	—
	12	395	389	382	381	362	358	367	371	375	370	369	378	—
	13	377	378	379	377	376	371	375	373	367	348	340	352	—
	14	375	375	387	398	406	385	379	408	431	414	402	388	—
	15	385	383	381	381	379	377	376	360	352	340	332	333	—
	16	378	380	376	371	374	369	370	374	368	346	345	345	—
	17	370	369	370	370	362	357	357	366	354	343	331	336	—
	18	367	365	362	365	364	355	351	351	346	338	343	342	—
	19	362	358	359	361	355	353	348	343	346	338	336	334	—
	20	365	360	359	359	359	355	352	345	342	335	331	325	—
	21	350	353	353	355	352	349	348	343	338	343	339	349	—
	22	360	360	358	358	357	352	347	352	346	344	347	350	—
	23	361	360	361	360	360	353	350	339	340	334	331	339	—
	24	362	362	367	364	361	356	353	353	345	334	335	339	—
	25	365	359	356	357	356	346	342	335	332	330	324	320	—
	26	370	355	356	371	358	347	334	340	339	332	342	360	—
	27	381	376	374	367	372	360	352	343	340	351	345	354	—
	28	371	370	373	368	370	364	365	392	378	383	379	368	—
	29	390	393	390	390	387	376	371	377	370	362	363	371	—
	30	393	391	389	392	386	381	375	360	353	353	349	347	—
	31	373	375	361	369	370	364	355	355	352	343	349	343	—
Hourly Means.		372	371	369	370	368	362	359	359	353	342	339	340	—
Mean Batavia time.		1 P.M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
M A Y.	1	348	352	355	359	370	368	370	370	374	372	370	368	362
	2	312	331	342	358	364	367	371	367	369	376	374	364	350
	3	305	319	336	353	363	373	374	376	378	375	371	371	349
	4	310	320	336	351	363	370	369	367	369	371	375	373	354
	5	328	343	354	356	362	369	369	373	374	375	377	378	357
	6	345	347	353	358	372	376	380	383	384	386	385	384	367
	7	320	325	338	353	362	372	370	367	369	375	375	364	359
	8	367	374	382	392	405	403	398	393	395	392	395	392	374
	9	333	345	360	377	380	384	382	378	376	376	374	374	368
	10	336	324	352	370	385	397	376	374	396	400	392	381	365
	11	335	373	387	398	406	411	414	409	411	414	416	407	378
	12	377	373	365	367	367	375	374	381	384	384	378	378	375
	13	359	364	374	368	383	389	388	386	389	412	395	393	376
	14	369	367	370	384	390	397	395	397	396	398	393	388	391
	15	334	338	348	364	373	380	383	382	383	381	382	380	367
	16	353	355	371	387	388	392	389	389	383	381	378	375	372
	17	332	343	358	371	381	383	383	381	381	379	374	371	363
	18	354	355	358	361	359	361	363	364	368	367	366	363	358
	19	337	345	355	364	370	375	371	372	370	368	366	364	356
	20	320	329	336	343	357	364	364	363	361	358	349	356	349
	21	350	351	351	361	368	368	366	367	367	368	368	364	355
	22	345	348	346	356	365	370	370	370	371	371	366	365	357
	23	339	332	351	366	376	373	371	371	370	369	367	362	356
	24	340	346	354	360	375	383	381	388	387	389	379	370	362
	25	322	328	338	351	360	366	367	368	323	350	416	374	349
	26	368	422	425	397	388	384	389	392	337	384	384	377	371
	27	368	378	384	386	382	387	392	384	395	393	390	374	372
	28	368	375	369	370	399	393	398	405	391	397	399	393	380
	29	375	387	394	399	402	405	402	402	402	396	393	393	387
	30	362	378	385	387	389	387	390	392	389	385	381	375	378
	31	345	350	364	374	382	384	379	383	377	378	378	378	366
Hourly Means.		344	352	361	369	377	381	380	380	380	381	381	376	365.3

EASTERLY DECLINATION. A.
HOURLY OBSERVATIONS. — 1° 40' + THE NUMBERS IN THE TABLE.

Mean Batavia Time.		1 A.M.	2	3	4	5	6	7	8	9	10	11	12	—
J U N E.	1	13.7	14.0	14.3	14.3	13.7	14.3	14.8	13.5	13.3	13.3	12.7	12.2	—
	2	13.6	13.5	13.5	13.4	13.5	13.8	14.8	14.8	13.6	13.3	13.0	13.0	—
	3	13.5	13.4	13.5	13.5	13.6	13.7	14.0	13.2	12.2	11.7	11.4	11.9	—
	4	13.5	13.8	14.1	13.8	13.6	13.7	14.3	14.1	13.8	13.7	13.3	12.7	—
	5	13.2	13.5	13.2	13.5	13.7	14.1	14.8	14.2	12.7	12.2	11.4	11.3	—
	6	13.4	13.2	13.0	13.6	13.6	13.7	15.1	14.2	13.5	12.8	12.5	12.4	—
	7	13.3	13.4	13.5	13.5	13.4	13.6	13.8	13.3	13.0	12.8	13.0	13.2	—
	8	13.4	13.6	13.6	13.6	13.6	13.5	13.8	12.8	12.5	12.1	12.7	12.7	—
	9	13.3	13.4	13.4	13.4	13.5	13.6	14.3	13.2	12.7	12.6	12.7	13.0	—
	10	13.2	13.5	13.5	13.8	13.8	14.4	14.9	13.7	14.2	12.6	12.2	12.0	—
	11	13.4	13.6	13.8	13.5	14.6	14.2	14.3	13.2	12.0	11.9	11.7	12.1	—
	12	13.0	13.4	13.5	13.6	13.5	13.5	14.1	12.8	11.4	11.7	12.4	14.1	—
	13	13.3	13.3	13.3	13.5	13.5	13.8	14.2	13.5	12.6	12.2	12.0	12.4	—
	14	13.0	12.9	13.5	13.4	13.3	13.4	14.0	13.3	12.0	12.1	12.5	13.2	—
	15	13.0	13.3	13.3	13.4	13.4	13.5	14.0	13.3	12.4	11.6	11.9	12.4	—
	16	13.3	13.3	13.3	13.4	13.5	13.4	14.1	13.7	12.6	12.4	12.2	12.4	—
	17	12.9	13.2	12.9	13.3	12.7	13.0	13.5	12.6	11.7	11.4	11.6	12.6	—
	18	13.3	13.3	13.4	13.3	14.2	13.7	14.5	13.6	12.8	12.5	12.2	12.4	—
	19	12.9	12.4	12.7	12.9	13.4	13.5	14.5	14.1	13.0	12.4	11.9	12.9	—
	20	13.0	13.4	13.5	13.4	13.4	13.4	14.1	13.4	12.2	11.6	11.4	12.2	—
	21	12.9	13.3	13.5	13.5	13.5	13.4	13.7	13.0	12.4	12.4	12.4	12.7	—
	22	13.6	13.8	13.7	14.0	14.0	14.5	15.1	14.3	13.4	12.5	11.9	12.2	—
	23	12.8	12.9	13.2	13.2	13.0	13.5	14.8	13.4	12.4	11.4	11.0	11.6	—
	24	13.2	13.4	13.6	13.6	13.5	13.5	13.5	13.0	12.4	11.8	12.5	13.0	—
	25	13.3	13.5	13.7	13.6	13.5	13.4	14.1	13.3	12.1	11.6	10.4	12.9	—
	26	11.7	13.3	13.6	14.4	14.3	15.4	15.0	14.4	12.6	11.4	12.1	12.0	—
	27	12.9	13.2	13.4	13.6	13.0	13.5	14.6	13.4	11.6	11.0	11.3	11.9	—
	28	12.8	12.8	13.0	13.2	13.0	13.0	13.6	13.0	12.0	11.1	10.6	11.8	—
	29	13.2	13.3	13.4	13.4	13.4	13.5	13.4	13.2	12.1	12.2	12.2	12.6	—
	30	12.9	13.2	13.2	13.5	13.5	13.5	13.4	12.9	12.1	11.4	11.1	12.1	—
Hourly Means.		13.2	13.3	13.4	13.5	13.5	13.7	14.2	13.5	12.6	12.1	12.0	12.5	—
Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
J U N E.	1	12.8	12.8	12.7	13.4	14.3	13.5	13.4	13.2	13.2	13.2	13.4	13.4	13.5
	2	13.6	14.1	14.4	14.3	14.2	13.4	13.3	13.3	13.2	13.2	13.0	13.2	13.6
	3	12.5	13.4	13.5	13.7	14.2	13.4	13.2	13.2	13.0	13.0	13.2	13.4	13.1
	4	12.9	13.4	14.0	14.2	14.2	13.0	12.5	12.6	13.0	13.0	13.0	12.9	13.5
	5	11.9	12.9	13.5	13.6	13.5	13.0	12.9	12.9	13.3	12.9	13.3	13.2	13.1
	6	12.4	12.5	13.0	13.8	13.7	13.3	13.3	13.3	13.2	13.3	13.3	13.3	13.3
	7	13.6	14.5	15.0	14.4	14.0	13.3	13.2	12.9	12.9	13.0	13.2	13.4	13.5
	8	13.4	13.7	14.2	14.4	14.4	13.7	13.4	13.3	13.2	13.0	13.2	13.2	13.4
	9	13.8	14.3	14.8	15.0	14.8	13.7	12.8	12.6	12.5	12.6	12.9	12.9	13.4
	10	12.7	13.6	14.8	14.5	14.4	13.2	13.0	12.8	12.6	12.9	13.2	13.4	13.5
	11	13.6	13.5	13.8	13.7	13.5	13.2	13.5	12.7	12.9	12.5	12.9	13.0	13.2
	12	14.2	14.5	15.1	14.6	14.4	13.4	13.0	12.5	12.4	12.4	12.7	12.9	13.3
	13	12.4	13.5	13.4	14.0	14.3	13.3	13.4	12.7	12.6	12.5	12.5	12.5	13.1
	14	13.8	14.4	14.2	14.2	13.5	13.3	13.3	13.3	12.8	12.9	12.8	12.9	13.3
	15	13.5	14.4	14.3	14.0	13.6	13.3	13.0	13.0	12.8	13.0	12.9	13.0	13.2
	16	12.5	12.5	12.5	12.9	13.0	13.0	13.0	13.0	13.2	12.7	12.9	12.9	13.0
	17	13.3	13.8	13.7	13.4	13.6	13.6	13.5	13.3	13.0	12.7	12.8	13.0	13.0
	18	12.7	12.9	13.3	14.0	13.6	12.8	13.0	12.6	12.5	12.4	12.5	12.5	13.1
	19	12.9	13.3	14.2	14.2	13.5	12.5	12.7	12.8	12.4	12.5	13.0	13.0	13.1
	20	13.0	14.0	15.2	14.3	14.2	13.3	13.0	13.0	10.4	12.0	12.1	12.2	13.0
	21	13.2	13.4	13.7	13.8	13.5	13.0	13.0	12.7	12.8	12.9	13.4	13.5	13.2
	22	12.1	12.8	13.5	14.5	14.3	12.9	12.8	12.5	12.5	12.1	12.1	12.7	13.2
	23	12.1	12.9	13.4	14.0	14.1	13.3	13.2	13.0	13.0	13.2	13.2	13.0	13.0
	24	13.5	13.5	13.5	13.7	13.4	12.9	12.9	12.7	12.5	12.5	12.6	13.0	13.1
	25	13.2	15.3	15.4	15.6	15.6	16.4	14.3	14.0	13.5	13.5	11.9	11.4	13.6
	26	12.5	14.0	14.3	14.2	14.0	13.3	13.0	12.8	12.8	12.7	12.5	12.7	13.3
	27	12.0	12.6	13.3	13.2	13.3	12.9	12.9	13.0	12.8	12.7	12.9	12.9	12.8
	28	12.5	13.7	14.3	14.1	14.4	12.6	12.6	12.6	12.6	12.8	12.9	13.0	12.8
	29	13.4	14.1	14.6	14.0	14.0	12.9	13.0	12.9	12.8	12.9	13.0	13.0	13.2
	30	13.2	14.1	14.1	14.1	13.5	12.7	12.8	12.6	12.5	12.6	12.9	13.2	13.0
Hourly Means.		13.0	13.6	14.0	14.1	14.0	13.3	13.1	12.9	12.8	12.8	12.9	13.0	13.21

HORIZONTAL FORCE. A.

HOURLY OBSERVATIONS. — 0.36800 + THE NUMBERS IN THE TABLE.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
J U N E.	1	312	318	323	328	333	338	348	358	369	378	384	379	—
	2	332	333	330	332	334	339	345	351	360	366	360	366	—
	3	320	326	332	328	329	339	352	367	376	387	389	386	—
	4	340	337	338	343	345	345	350	349	357	356	380	372	—
	5	316	320	329	327	328	335	340	350	364	366	363	362	—
	6	327	331	335	330	331	336	342	357	364	381	387	378	—
	7	334	335	334	337	342	346	354	365	370	375	375	375	—
	8	341	343	344	345	350	349	355	358	369	385	392	386	—
	9	338	293	341	342	346	354	364	376	378	382	383	374	—
	10	350	352	356	359	373	376	385	393	403	395	399	394	—
	11	336	336	335	339	341	349	358	365	368	371	378	378	—
	12	330	328	330	336	341	344	350	360	368	379	371	359	—
	13	330	331	333	336	340	345	353	364	377	382	386	380	—
	14	335	335	339	342	344	344	347	360	381	378	380	381	—
	15	340	344	345	347	348	355	366	382	395	402	396	377	—
	16	341	342	344	342	344	349	341	352	368	376	373	383	—
	17	328	330	332	330	335	339	344	353	359	368	374	367	—
	18	323	328	333	332	330	340	345	359	373	382	383	382	—
	19	331	343	328	332	335	334	338	341	345	362	366	360	—
	20	335	335	332	337	338	341	350	363	377	386	390	395	—
	21	319	323	326	327	330	331	342	346	345	354	368	364	—
	22	339	343	347	346	352	357	355	362	365	371	372	351	—
	23	337	339	337	324	349	343	336	348	341	360	367	362	—
	24	325	323	325	325	327	332	340	346	353	370	374	373	—
	25	338	339	337	341	344	385	387	352	345	350	401	378	—
	26	260	287	279	314	309	312	321	322	322	315	312	298	—
	27	298	297	297	306	308	312	319	327	340	356	365	369	—
	28	321	324	325	327	332	333	335	339	349	360	376	365	—
	29	333	336	338	342	344	350	355	358	362	371	380	378	—
	30	335	337	339	338	340	345	347	349	358	362	364	362	—
Hourly Means.		328	330	332	334	338	343	349	356	363	371	376	371	—
Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
J U N E.	1	370	359	341	323	312	314	325	326	330	332	330	332	340
	2	356	349	345	330	326	320	315	308	306	310	318	321	336
	3	378	366	352	341	339	339	337	336	336	338	341	339	349
	4	363	358	327	317	311	303	297	315	303	310	312	314	335
	5	352	349	339	327	324	325	329	327	325	328	330	330	337
	6	368	356	346	332	327	332	333	331	329	329	330	331	343
	7	363	352	345	343	340	337	336	336	336	336	337	340	348
	8	368	353	343	336	332	332	332	333	332	332	331	332	349
	9	359	351	347	340	336	342	347	348	347	344	346	349	351
	10	382	375	370	357	325	344	348	344	344	342	331	331	364
	11	372	355	353	345	340	336	321	317	320	324	327	326	345
	12	343	338	332	326	327	316	324	327	326	328	325	328	339
	13	363	357	346	333	332	329	329	332	334	331	329	331	346
	14	371	363	354	344	339	334	331	331	329	330	332	339	348
	15	366	353	340	340	337	336	337	334	334	334	336	336	353
	16	378	359	346	337	335	331	332	336	325	323	326	327	346
	17	353	335	330	322	318	313	313	316	317	319	322	322	335
	18	373	361	349	344	341	339	336	333	331	331	329	332	346
	19	354	353	341	333	329	331	321	317	322	327	326	328	337
	20	384	352	312	299	287	282	277	268	303	305	324	326	333
	21	372	352	344	338	335	336	335	339	336	334	335	339	340
	22	349	337	329	310	297	296	309	309	312	323	327	331	337
	23	358	354	340	322	312	318	317	314	317	318	322	324	336
	24	363	351	337	326	326	333	332	330	330	337	338	338	340
	25	358	312	287	260	244	194	241	221	211	204	242	252	305
	26	279	266	284	291	292	297	294	291	293	295	295	296	297
	27	359	346	337	323	317	317	316	316	315	312	316	318	324
	28	338	331	325	320	321	330	330	328	325	325	327	330	334
	29	369	361	351	341	331	332	334	331	327	331	332	333	347
	30	357	357	351	339	334	337	336	337	337	339	334	335	345
Hourly Means.		361	349	338	328	322	321	322	321	321	322	325	327	339.5

VERTICAL FORCE. A.

HOURLY OBSERVATIONS. — 0.19500 + THE NUMBERS IN THE TABLE.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
J U N E.	1	434	426	422	419	417	410	407	397	391	383	381	386	—
	2	424	425	427	426	423	416	411	398	405	408	407	395	—
	3	419	413	411	413	413	403	400	397	396	395	393	393	—
	4	413	413	413	409	407	405	394	395	396	401	393	403	—
	5	417	416	412	413	413	403	401	396	389	384	391	395	—
	6	417	415	414	417	416	407	401	401	398	391	395	395	—
	7	420	419	420	419	415	409	400	385	384	389	388	385	—
	8	412	411	410	409	408	405	399	400	389	379	376	384	—
	9	407	406	406	405	402	395	387	387	379	374	373	379	—
	10	411	409	408	407	403	397	395	396	393	397	393	392	—
	11	425	426	427	424	423	417	414	406	405	408	402	402	—
	12	421	421	421	417	416	411	408	408	402	389	383	394	—
	13	420	418	418	416	415	409	410	377	367	365	360	367	—
	14	388	385	383	381	381	379	376	376	362	354	359	366	—
	15	389	384	383	382	382	371	361	356	355	352	351	358	—
	16	387	384	382	382	379	371	375	373	368	359	361	348	—
	17	391	389	387	386	384	378	372	377	366	354	353	358	—
	18	399	397	391	392	391	379	380	363	356	353	351	350	—
	19	381	380	390	388	383	378	375	375	377	370	361	364	—
	20	384	384	387	383	384	378	371	368	363	360	354	340	—
	21	381	379	378	379	378	373	364	362	361	353	343	340	—
	22	384	382	382	383	379	372	375	384	384	378	377	386	—
	23	387	387	390	399	381	389	393	387	401	389	378	365	—
	24	397	399	399	400	397	390	382	372	365	351	346	355	—
	25	387	387	389	384	383	357	357	379	396	389	346	361	—
	26	402	382	389	371	375	372	381	392	398	393	385	383	—
	27	397	399	399	395	391	385	379	377	374	362	354	362	—
	28	393	392	391	389	388	385	383	386	383	383	380	381	—
	29	396	394	391	389	389	383	378	378	368	364	358	359	—
	30	404	402	402	401	401	396	396	391	381	372	367	362	—
Hourly Means.		403	401	401	399	397	391	388	385	382	377	372	374	—
Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
J U N E.	1	396	408	414	416	424	438	427	426	427	429	429	427	414
	2	392	402	403	407	419	426	428	429	431	429	421	419	415
	3	393	390	391	403	403	414	416	417	419	418	414	414	406
	4	408	413	421	423	426	435	433	424	427	426	420	419	413
	5	396	395	401	411	423	424	420	420	421	419	417	418	408
	6	403	411	408	418	427	430	426	426	426	425	423	423	413
	7	390	407	411	413	420	425	421	420	419	415	414	412	408
	8	389	391	393	405	415	421	419	417	417	414	413	413	404
	9	389	397	395	404	415	423	422	421	419	417	417	413	401
	10	396	407	398	413	444	437	429	430	430	429	433	431	412
	11	402	415	414	425	431	435	442	441	437	432	424	426	421
	12	402	412	418	422	423	435	434	432	433	430	427	423	416
	13	375	373	378	386	393	402	402	400	398	400	397	393	393
	14	375	382	395	407	413	413	410	408	408	405	401	392	387
	15	360	367	378	381	389	395	394	396	397	397	393	391	378
	16	354	371	379	385	384	392	393	391	397	401	395	394	379
	17	376	386	389	392	402	411	409	408	408	405	402	401	387
	18	353	366	371	378	384	390	390	387	389	388	390	387	378
	19	367	373	373	379	385	393	395	396	394	389	390	388	381
	20	337	356	373	389	403	416	415	418	399	393	378	377	380
	21	341	364	377	384	391	396	395	391	391	390	389	384	374
	22	390	396	394	403	421	424	410	408	405	396	393	389	391
	23	366	366	378	393	405	407	406	406	404	401	399	397	391
	24	372	383	389	397	403	402	399	399	396	391	388	388	386
	25	363	386	387	414	427	451	431	437	442	443	416	407	397
	26	389	390	381	377	391	402	402	405	403	405	403	402	391
	27	378	391	395	397	399	401	402	402	407	407	399	395	389
	28	391	381	384	396	405	401	401	401	402	401	399	397	391
	29	377	388	395	401	402	411	410	410	412	409	408	406	391
	30	366	369	373	381	394	403	406	406	407	406	406	405	392
Hourly Means.		380	388	392	400	409	415	413	412	412	410	407	404	396.2

EASTERLY DECLINATION. A.
HOURLY OBSERVATIONS. — 1° 40' + THE NUMBERS IN THE TABLE.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
JULY.	1	13.5	13.4	13.5	13.5	13.6	13.7	13.8	13.0	11.9	11.2	11.2	11.9	—
	2	13.8	12.7	13.8	14.2	13.8	13.8	14.1	12.9	11.9	11.2	11.2	12.0	—
	3	13.3	13.5	13.4	13.4	13.2	13.4	13.6	13.2	12.4	12.4	12.7	13.0	—
	4	13.5	13.8	14.1	14.1	13.8	13.7	13.8	13.2	12.6	12.7	12.0	12.0	—
	5	12.6	12.9	12.9	12.9	13.0	13.2	13.5	13.5	13.0	12.2	12.0	12.6	—
	6	13.0	13.3	13.2	13.3	12.6	12.9	14.1	14.5	13.4	12.8	12.8	12.8	—
	7	12.2	12.6	13.0	13.4	13.6	13.8	14.3	14.2	12.9	12.0	11.6	11.6	—
	8	12.6	12.6	12.8	12.9	13.4	13.5	14.0	13.5	12.6	12.2	12.5	11.9	—
	9	12.6	12.8	13.0	13.0	13.3	13.5	14.1	13.0	12.0	11.4	11.3	12.4	—
	10	13.0	13.2	13.3	13.0	13.2	13.3	13.6	12.9	12.1	11.4	11.8	11.9	—
	11	12.7	12.7	13.3	13.3	13.3	13.3	13.5	12.2	11.1	11.1	11.4	12.4	—
	12	13.2	13.2	13.2	13.3	13.4	13.5	14.4	13.3	12.0	10.2	9.6	10.4	—
	13	12.7	13.2	13.3	13.2	13.5	13.7	14.3	12.8	11.9	11.3	10.2	12.5	—
	14	13.0	13.2	13.2	13.2	13.4	13.6	14.2	12.6	11.2	10.4	11.7	12.7	—
	15	12.9	13.0	13.3	13.3	13.4	13.7	14.2	12.5	12.5	11.2	10.6	10.6	—
	16	12.9	13.2	13.0	13.4	13.4	13.6	13.5	12.6	11.1	10.3	11.2	11.8	—
	17	12.9	12.4	12.9	13.2	13.4	13.7	14.5	14.0	12.5	11.7	11.3	11.3	—
	18	13.0	12.8	12.8	13.0	13.3	14.2	14.4	12.8	13.5	12.1	11.6	11.4	—
	19	12.5	12.9	12.4	13.2	13.3	13.5	14.1	13.8	13.4	12.7	11.7	11.2	—
	20	12.8	13.0	13.4	13.4	13.7	13.7	14.2	13.4	12.1	11.6	12.1	12.2	—
	21	12.9	13.0	13.3	13.4	13.6	14.2	14.6	14.0	12.7	11.8	11.0	11.3	—
	22	13.3	13.4	13.8	13.7	13.7	13.7	13.6	12.5	11.4	10.8	10.9	11.2	—
	23	13.2	13.3	13.5	13.8	13.8	14.3	14.8	14.1	12.7	11.4	11.1	10.6	—
	24	12.9	13.0	13.0	13.0	13.2	13.5	13.7	13.0	11.7	11.2	10.9	11.2	—
	25	12.7	12.8	13.0	12.8	13.3	13.8	14.4	13.8	13.6	12.4	11.9	11.7	—
	26	12.8	12.6	13.0	13.4	13.5	14.3	14.2	13.6	12.9	11.0	11.2	11.4	—
	27	12.9	12.9	13.0	13.0	13.2	13.5	13.6	12.7	11.9	11.6	10.9	10.6	—
	28	13.2	13.3	13.2	13.2	13.3	13.8	14.1	12.5	11.4	10.2	9.5	9.1	—
	29	13.0	13.3	13.4	13.4	13.5	14.4	15.0	14.0	12.2	11.6	11.2	11.3	—
	30	12.4	12.6	12.6	12.9	13.2	13.5	13.7	13.6	12.1	11.8	11.1	11.3	—
	31	12.7	13.0	13.2	13.2	13.3	13.7	14.3	13.2	12.4	11.3	11.7	12.1	—
Hourly Means.		12.9	13.0	13.2	13.3	13.4	13.7	14.1	13.4	12.3	11.5	11.4	11.6	—
Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
JULY.	1	12.4	13.3	14.4	14.5	13.8	12.6	12.2	12.2	12.6	12.6	13.4	13.6	13.0
	2	13.2	14.3	14.8	14.5	13.6	13.2	13.0	12.9	12.9	12.8	13.0	13.0	13.2
	3	13.6	14.4	14.8	14.5	14.2	13.3	13.0	12.9	12.9	12.8	13.0	13.3	13.3
	4	13.0	13.4	14.3	13.8	12.8	11.9	12.1	12.2	12.4	12.6	12.4	12.7	13.0
	5	13.2	13.8	14.8	14.1	14.3	13.4	13.5	12.8	12.4	12.4	12.6	12.6	13.1
	6	12.6	12.8	13.6	14.8	14.2	13.5	13.8	13.2	12.4	12.4	12.5	12.4	13.2
	7	12.0	13.2	13.4	14.2	14.5	13.4	13.0	12.7	12.8	12.7	12.6	12.6	13.0
	8	12.4	13.3	14.5	14.9	14.6	13.2	13.0	12.7	12.6	12.4	12.4	12.6	13.0
	9	13.6	14.9	15.4	15.0	13.7	13.0	12.7	12.6	12.4	12.6	12.5	13.0	13.1
	10	13.2	14.1	14.9	14.8	14.4	13.5	13.0	12.6	12.6	12.4	12.5	13.0	13.1
	11	13.2	14.3	14.4	14.4	14.3	13.5	13.3	12.6	12.1	12.5	12.4	12.6	12.9
	12	11.9	13.0	14.1	14.3	14.1	13.2	12.6	12.5	12.4	12.4	12.6	12.7	12.7
	13	13.7	14.3	13.3	13.8	13.8	13.3	12.9	12.7	12.6	12.1	12.6	12.7	12.9
	14	13.3	13.6	13.2	14.5	14.2	12.9	12.7	12.6	12.5	12.4	12.4	12.7	12.9
	15	11.7	12.9	13.7	14.0	13.5	12.6	12.7	12.5	12.7	12.4	12.5	12.4	12.7
	16	12.6	13.6	14.3	14.1	14.1	13.3	12.5	12.4	12.5	12.4	12.5	12.6	12.8
	17	11.7	11.9	12.4	12.7	13.2	13.0	12.5	12.4	12.4	12.5	12.5	12.7	12.7
	18	11.9	12.4	13.5	13.7	13.6	12.7	12.6	12.0	12.6	12.4	12.4	12.5	12.8
	19	11.9	12.7	13.3	14.2	14.2	13.6	13.2	13.0	12.5	12.4	12.5	12.8	13.0
	20	12.7	13.3	14.2	14.1	13.8	13.0	12.4	12.5	12.2	12.4	12.6	12.7	13.0
	21	12.0	12.6	13.4	13.8	13.3	12.8	12.7	12.6	12.7	12.9	13.0	12.5	12.9
	22	11.8	12.9	14.1	14.4	14.1	12.9	12.8	12.7	12.5	12.6	12.7	12.8	12.8
	23	11.3	12.0	12.7	14.0	14.1	12.7	12.7	12.6	12.6	12.5	12.7	12.8	12.9
	24	11.9	12.7	13.4	13.8	13.6	12.9	12.8	12.5	12.4	12.4	12.5	12.5	12.7
	25	11.3	11.1	13.8	13.8	13.7	13.0	12.8	12.8	13.0	12.6	12.2	12.2	12.9
	26	11.4	12.1	12.9	14.2	14.0	13.2	13.0	12.8	12.8	12.7	12.8	12.8	12.9
	27	11.2	12.7	14.1	14.5	14.1	13.2	12.8	12.7	12.5	12.7	12.7	12.8	12.7
	28	10.0	11.9	13.8	14.2	14.2	13.5	13.0	12.9	12.4	12.0	12.1	12.5	12.5
	29	12.2	12.6	13.4	14.0	14.0	12.7	12.4	12.4	12.2	12.0	12.1	12.2	12.9
	30	11.6	12.1	12.4	13.3	13.7	12.9	12.5	12.6	12.6	12.5	12.6	12.9	12.6
	31	12.6	13.6	14.6	14.3	13.6	12.6	12.4	12.5	12.4	12.4	12.6	12.7	12.9
Hourly Means.		12.3	13.1	13.9	14.2	13.9	13.0	12.8	12.6	12.5	12.5	12.6	12.7	52.91

HORIZONTAL FORCE. A.

HOURLY OBSERVATIONS. — 0.36800 + THE NUMBERS IN THE TABLE.

Mean Batavia Time.	1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—	
JULY.	1	334	338	342	344	346	351	363	376	391	402	398	393	—
	2	287	310	300	306	310	316	326	334	342	349	345	341	—
	3	326	330	331	333	337	340	351	362	368	373	373	375	—
	4	332	332	331	335	343	348	358	377	387	384	389	396	—
	5	339	337	338	341	345	353	355	362	380	387	403	394	—
	6	324	330	338	338	339	349	355	359	371	363	354	346	—
	7	321	319	320	321	323	328	338	346	356	365	361	366	—
	8	328	329	328	329	340	344	350	355	361	371	367	368	—
	9	333	331	335	339	341	344	356	363	374	382	390	390	—
	10	341	342	345	350	350	355	360	371	376	387	396	389	—
	11	339	337	335	347	344	355	363	371	378	378	393	382	—
	12	326	331	336	334	335	347	358	363	368	379	378	374	—
	13	340	335	337	344	346	348	358	362	369	371	368	366	—
	14	322	327	326	330	332	341	349	352	366	386	391	379	—
	15	330	334	334	336	338	345	355	364	372	382	387	388	—
	16	337	336	339	340	344	349	359	368	378	383	377	370	—
	17	346	351	344	348	344	353	364	369	377	385	393	386	—
	18	340	352	366	395	398	357	368	351	363	378	383	373	—
	19	301	312	317	313	315	333	341	361	371	370	368	366	—
	20	323	328	326	326	326	334	341	343	352	360	366	360	—
	21	325	327	327	331	334	339	353	367	378	378	385	374	—
	22	326	328	325	325	332	330	340	391	405	415	426	423	—
	23	378	378	379	376	382	386	400	367	369	376	370	372	—
	24	334	337	339	343	350	352	360	368	372	378	378	372	—
	25	338	336	334	334	331	345	357	360	367	369	358	355	—
	26	302	314	311	311	318	325	336	336	344	355	366	358	—
	27	317	318	324	326	330	333	340	343	341	349	344	353	—
	28	327	327	328	331	326	344	358	369	380	376	377	372	—
	29	319	321	317	325	329	327	340	349	355	359	368	359	—
	30	326	328	333	337	340	332	337	351	348	355	366	364	—
	31	328	330	331	335	337	344	354	367	375	382	388	386	—
Hourly Means.	329	332	333	336	339	343	353	361	369	375	378	374	—	
Mean Batavia Time.	1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.	
JULY.	1	383	364	355	349	339	338	336	331	328	327	299	289	351
	2	339	333	327	320	319	319	319	320	323	325	326	327	323
	3	371	354	344	335	333	335	336	336	331	335	332	332	345
	4	389	382	369	365	359	359	352	339	329	338	331	332	357
	5	392	372	363	351	343	337	330	339	338	337	330	328	354
	6	340	344	328	323	306	317	313	306	316	320	321	320	334
	7	358	343	330	318	314	323	325	322	324	322	325	326	333
	8	355	335	322	312	320	326	322	331	325	326	331	331	338
	9	382	368	356	347	334	335	339	336	338	336	334	334	351
	10	378	359	347	337	333	333	335	331	329	331	333	331	352
	11	372	361	359	356	352	337	324	327	337	328	331	326	351
	12	371	354	348	335	334	334	334	338	335	336	335	339	347
	13	355	344	334	323	324	330	330	327	328	320	317	318	341
	14	367	359	339	325	323	331	332	331	330	332	333	332	343
	15	386	368	353	339	338	340	336	338	331	337	334	337	350
	16	362	353	339	331	325	328	330	328	327	328	329	334	346
	17	379	359	348	344	341	337	340	340	339	341	343	341	355
	18	359	344	334	334	331	318	331	321	311	306	301	297	346
	19	357	352	345	325	307	298	307	308	317	320	317	317	331
	20	352	342	332	320	318	321	325	324	325	325	325	325	334
	21	361	352	341	334	330	333	334	331	327	324	318	329	343
	22	414	399	386	378	376	382	379	371	369	372	375	381	373
	23	356	348	339	333	330	335	334	324	321	325	330	333	356
	24	361	351	341	331	326	334	335	335	340	341	336	339	348
	25	359	358	319	311	311	303	303	310	293	296	283	305	331
	26	348	339	332	318	314	318	318	314	310	307	308	314	326
	27	333	327	322	317	313	319	325	325	324	326	322	322	329
	28	362	349	318	300	297	302	303	305	307	308	317	312	333
	29	362	350	342	331	322	323	322	320	320	321	324	324	335
	30	360	351	332	331	321	323	325	325	325	327	326	327	337
	31	378	363	353	343	338	337	337	336	337	336	335	339	350
Hourly Means.	366	354	342	333	328	329	329	328	327	328	326	327	343.3	

VERTICAL FORCE. A.

HOURLY OBSERVATIONS. — 0.19500 + THE NUMBERS IN THE TABLE.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
JULY.	1	402	399	397	395	395	389	382	375	366	358	356	354	—
	2	423	407	410	402	401	395	387	387	385	381	372	371	—
	3	401	399	396	395	393	389	379	365	366	362	363	363	—
	4	397	397	398	395	390	383	378	371	360	361	366	360	—
	5	399	399	399	397	391	384	377	373	365	352	349	355	—
	6	402	397	390	390	394	381	372	375	377	372	389	404	—
	7	401	400	399	397	398	394	385	386	384	378	373	372	—
	8	400	397	398	399	392	387	383	372	371	365	372	372	—
	9	396	396	393	391	393	386	378	374	370	361	359	359	—
	10	389	385	384	382	381	375	367	369	365	355	345	355	—
	11	388	389	389	381	384	375	376	373	370	367	361	365	—
	12	394	387	384	386	386	378	375	355	364	367	368	356	—
	13	368	369	365	361	360	357	357	366	359	353	361	361	—
	14	383	379	379	377	373	367	368	391	378	361	345	347	—
	15	396	393	390	389	387	378	372	360	363	361	370	374	—
	16	387	388	384	383	378	372	369	375	367	359	356	353	—
	17	390	382	389	387	388	377	366	360	361	359	361	377	—
	18	395	385	375	366	358	385	376	377	370	359	367	366	—
	19	405	394	393	394	392	374	372	344	347	342	348	347	—
	20	381	377	378	379	378	371	369	368	367	352	353	361	—
	21	377	375	377	375	372	365	355	350	350	348	331	335	—
	22	379	378	379	381	377	377	372	366	350	347	337	336	—
	23	376	377	375	377	373	367	359	345	348	345	350	343	—
	24	370	369	371	370	366	363	359	363	359	354	347	347	—
	25	378	377	381	382	384	367	360	371	373	375	391	396	—
	26	407	393	396	397	396	388	384	372	369	361	358	361	—
	27	392	390	387	387	384	383	379	377	372	377	380	378	—
	28	391	389	389	389	390	378	369	378	383	387	396	390	—
	29	390	389	393	390	387	384	379	382	386	380	375	368	—
	30	395	390	387	387	385	387	387	400	397	396	401	405	—
	31	400	396	396	395	393	385	382	371	360	354	336	341	—
Hourly Means.		392	388	388	386	384	379	373	371	368	363	362	364	—
Mean Batavia time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
JULY.	1	363	370	376	379	390	401	400	402	402	403	421	424	387
	2	377	372	380	398	402	406	407	405	406	403	403	401	395
	3	367	375	377	399	401	407	403	402	403	399	399	399	388
	4	366	371	364	378	392	399	400	404	405	406	405	405	385
	5	358	367	370	388	401	408	411	401	402	402	403	402	386
	6	406	402	404	396	408	407	405	411	406	401	400	401	395
	7	372	378	389	393	399	408	406	408	407	407	401	401	393
	8	375	393	391	397	394	401	402	401	403	401	398	397	390
	9	362	367	371	388	405	405	401	398	398	396	395	394	385
	10	354	361	372	385	397	402	401	401	401	398	393	390	379
	11	370	364	370	375	390	398	408	403	399	400	396	396	383
	12	343	336	334	349	361	372	372	372	377	376	373	369	368
	13	362	365	378	373	380	385	386	389	389	395	394	390	372
	14	353	349	369	387	401	403	401	402	402	401	399	396	380
	15	349	342	361	381	385	388	390	390	391	393	393	388	379
	16	348	353	366	382	388	394	396	399	399	401	400	397	379
	17	383	402	408	408	402	403	399	397	399	396	395	395	387
	18	368	377	372	379	389	402	396	394	399	405	408	411	382
	19	349	350	353	369	393	401	392	390	384	383	384	384	374
	20	361	365	367	371	376	384	383	382	381	378	377	377	372
	21	350	359	365	370	379	381	382	383	384	387	389	381	368
	22	342	348	345	362	375	382	385	386	385	384	381	377	368
	23	345	346	354	356	366	373	378	384	387	380	372	371	364
	24	347	359	366	380	389	391	389	389	385	383	384	379	370
	25	390	385	386	395	397	416	419	411	420	416	425	407	392
	26	366	367	366	372	386	393	396	401	406	405	402	398	385
	27	381	377	375	382	393	397	395	397	397	396	396	396	386
	28	383	373	385	400	400	402	407	405	402	402	393	396	391
	29	366	372	373	382	396	407	403	403	407	403	401	396	388
	30	388	379	383	382	385	403	402	405	402	402	401	400	394
	31	336	348	358	374	389	399	401	402	402	401	401	397	380
Hourly Means.		364	367	372	382	391	397	397	397	398	397	396	394	382.1

EASTERLY DECLINATION. A.
HOURLY OBSERVATIONS. — 1° 40' + THE NUMBERS IN THE TABLE.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
AUGUST.	1	13.2	13.9	14.1	13.8	13.9	14.2	14.4	13.8	13.2	12.5	12.0	13.1	—
	2	11.6	12.8	12.6	12.8	13.3	13.6	15.1	14.2	13.3	13.1	13.0	12.0	—
	3	12.8	13.4	13.1	13.3	13.2	14.3	14.4	14.8	13.6	12.7	11.1	11.5	—
	4	13.1	13.2	13.5	13.4	13.4	13.9	14.1	13.8	12.6	12.3	11.4	11.8	—
	5	13.2	13.6	13.3	13.4	14.0	14.4	15.8	13.6	12.6	11.9	11.0	11.7	—
	6	13.0	13.0	13.5	13.5	13.8	14.2	14.3	14.0	12.8	12.7	12.6	12.4	—
	7	13.1	13.3	13.3	13.6	14.1	14.7	14.7	13.1	13.0	12.2	11.4	11.9	—
	8	13.1	13.4	13.3	14.1	14.3	14.2	16.2	15.0	13.2	12.3	11.8	12.0	—
	9	12.8	13.2	13.8	13.4	13.8	14.6	15.4	14.0	12.6	11.6	11.6	11.4	—
	10	13.1	13.4	13.6	13.6	13.8	14.6	15.0	14.2	14.2	13.8	13.8	13.5	—
	11	13.2	13.5	13.5	13.8	13.9	14.4	14.3	14.2	12.4	11.4	10.6	10.3	—
	12	13.2	13.4	13.5	13.6	13.8	14.4	14.7	14.6	13.4	13.2	12.3	12.3	—
	13	13.3	13.4	13.5	13.6	13.9	14.1	15.0	14.0	13.1	11.9	11.5	11.7	—
	14	13.2	13.3	13.4	13.5	13.9	14.3	14.7	13.8	12.0	11.2	10.2	9.5	—
	15	13.2	13.5	13.4	13.6	13.9	14.3	15.2	14.2	12.3	11.2	10.4	10.2	—
	16	13.3	13.3	13.2	13.4	13.8	14.2	14.3	13.6	13.1	12.6	11.6	11.9	—
	17	13.0	13.5	13.6	13.5	13.5	14.1	14.2	13.2	12.5	11.6	11.2	11.5	—
	18	13.3	13.2	13.3	13.5	13.6	14.4	14.8	14.3	13.1	12.6	11.9	12.0	—
	19	13.3	13.3	13.4	13.0	13.2	13.9	14.7	14.0	12.8	11.5	10.8	10.9	—
	20	13.2	13.5	13.5	13.9	13.5	14.0	14.3	13.1	12.5	11.7	12.2	12.3	—
	21	13.1	13.5	13.3	13.3	13.8	14.0	14.1	12.8	11.1	11.2	11.1	11.5	—
	22	13.1	13.2	13.1	13.2	13.8	14.6	14.3	13.6	12.3	11.4	11.5	11.8	—
	23	13.2	13.2	13.6	13.6	13.5	14.7	14.9	13.0	11.5	10.6	10.9	11.2	—
	24	13.1	13.2	13.2	13.3	13.8	14.4	14.6	13.8	12.5	11.9	10.9	10.4	—
	25	13.1	13.3	13.6	13.8	14.0	14.6	14.8	13.3	11.4	10.4	10.1	9.7	—
	26	13.0	13.2	13.3	13.4	13.8	14.7	14.4	13.2	11.7	10.3	9.5	9.7	—
	27	13.4	13.3	13.8	13.9	14.1	14.8	14.4	13.0	10.8	10.6	10.4	11.9	—
	28	13.3	13.6	13.9	14.2	14.4	15.8	15.5	13.8	12.0	10.9	11.0	11.1	—
	29	13.0	13.2	12.7	13.3	13.9	15.0	15.4	13.4	11.4	10.2	10.2	9.4	—
	30	12.7	12.4	13.2	12.3	13.5	14.3	14.7	13.0	11.7	10.2	11.0	10.9	—
	31	13.0	13.3	12.8	13.3	14.0	14.3	14.3	13.3	11.7	10.9	10.3	9.7	—
Hourly Means.		13.1	13.3	13.4	13.5	13.8	14.4	14.7	13.7	12.5	11.7	11.3	11.3	—
Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
AUGUST.	1	11.8	12.4	13.0	13.3	14.4	15.6	13.8	14.1	13.2	13.0	13.1	12.8	13.4
	2	13.4	14.3	14.9	14.9	14.4	13.8	13.4	12.8	13.0	12.7	12.8	12.8	13.4
	3	12.5	14.3	15.5	14.8	14.2	13.6	13.3	13.3	13.2	13.4	13.1	12.8	13.4
	4	12.4	12.2	13.8	13.6	14.4	14.0	13.3	13.3	13.1	12.8	13.0	12.8	13.1
	5	12.0	13.2	14.0	14.7	14.6	13.2	12.8	13.0	13.0	12.8	12.7	12.8	13.2
	6	12.6	13.1	14.2	15.0	14.3	13.1	13.0	13.0	13.0	13.0	13.0	13.4	13.4
	7	12.2	11.0	12.8	14.4	15.0	13.9	13.4	13.4	12.5	12.5	12.6	12.7	13.1
	8	12.5	13.8	15.0	15.5	15.0	14.4	13.5	13.2	12.8	12.8	12.7	13.2	13.6
	9	12.7	12.5	14.1	14.7	14.7	13.8	13.3	13.1	13.0	13.0	13.0	13.0	13.3
	10	13.4	13.1	14.1	15.2	15.0	13.9	13.2	13.2	13.0	12.7	12.8	13.0	13.7
	11	10.9	12.0	14.1	14.9	15.2	14.0	13.4	13.1	13.0	12.8	12.8	13.1	13.1
	12	12.6	13.6	14.9	15.4	15.5	14.7	13.8	13.5	13.2	13.3	13.2	13.2	13.7
	13	12.6	13.9	15.0	15.4	15.1	14.0	13.5	13.2	13.1	13.1	13.1	13.1	13.5
	14	10.0	11.8	14.2	15.4	15.2	14.1	13.8	13.6	13.2	13.1	13.1	13.2	13.1
	15	10.8	12.2	13.9	15.0	14.9	13.9	13.6	13.4	13.0	12.7	12.6	12.5	13.1
	16	12.4	12.8	14.3	15.8	16.0	15.0	13.2	12.8	12.7	12.5	12.4	12.6	13.4
	17	12.0	12.8	13.9	14.1	14.4	13.8	13.3	13.1	13.0	13.0	13.1	13.3	13.1
	18	13.0	13.6	14.0	14.8	14.4	13.3	13.1	13.1	13.0	12.8	12.8	13.1	13.4
	19	11.7	12.4	13.3	14.4	14.7	13.8	13.2	13.0	12.8	13.0	13.1	13.1	13.1
	20	13.0	14.1	15.1	15.0	14.9	14.2	13.9	13.2	13.0	13.1	13.3	12.8	13.5
	21	12.4	12.8	15.1	16.2	14.4	13.3	13.6	13.3	13.1	13.1	12.8	12.8	13.2
	22	13.1	14.0	14.4	14.4	13.9	13.8	13.0	13.2	13.1	13.1	13.2	12.8	13.2
	23	12.3	13.2	13.9	14.4	14.7	13.8	13.2	13.2	13.1	12.8	12.8	13.0	13.1
	24	11.6	12.8	13.2	13.9	14.0	13.3	13.2	13.2	13.1	13.0	13.0	13.0	13.0
	25	11.0	12.5	14.4	15.1	15.0	13.9	13.6	13.2	13.0	12.8	13.0	12.7	13.0
	26	11.7	13.0	14.4	15.7	15.9	14.4	14.3	13.8	13.2	13.0	13.0	13.0	13.2
	27	12.7	13.5	14.3	14.9	14.9	13.6	13.8	13.2	13.0	12.8	13.0	13.1	13.2
	28	11.7	13.4	15.1	15.7	16.0	15.1	14.2	14.0	13.2	12.6	12.8	12.0	13.6
	29	11.4	13.2	14.8	16.3	15.5	14.3	13.3	13.3	13.2	13.2	12.5	12.3	13.1
	30	11.2	13.0	14.3	14.9	14.7	14.4	13.5	13.3	13.0	13.0	12.6	12.6	12.9
	31	10.1	11.7	14.0	15.0	15.1	14.7	14.0	13.4	13.2	13.2	13.1	12.8	13.0
Hourly Means.		12.1	13.0	14.3	14.9	14.9	14.0	13.5	13.3	13.0	12.9	12.9	12.9	13.26

HORIZONTAL FORCE. A.

HOURLY OBSERVATIONS. — 0.36800 + THE NUMBERS IN THE TABLE.

Mean Batavia Time.		1 A.M.	2	3	4	5	6	7	8	9	10	11	12	—
AUGUST.	1	355	349	358	360	367	376	375	389	401	411	397	364	—
	2	306	297	302	315	317	326	327	339	346	340	345	336	—
	3	329	326	325	345	340	344	358	370	381	386	387	386	—
	4	327	334	335	339	347	351	363	371	382	381	382	375	—
	5	326	325	329	335	339	340	349	356	362	355	355	352	—
	6	336	343	342	342	344	349	362	364	371	378	374	375	—
	7	346	339	352	343	351	355	383	383	392	395	386	386	—
	8	324	334	335	335	341	332	334	344	351	362	367	370	—
	9	335	332	331	341	341	352	362	377	377	382	382	373	—
	10	340	344	344	349	354	368	383	384	390	397	397	390	—
	11	342	344	348	350	353	359	370	384	390	403	404	395	—
	12	349	351	355	356	362	366	385	395	405	398	401	394	—
	13	336	339	341	341	345	349	358	369	378	389	392	388	—
	14	347	349	350	354	358	363	374	385	395	403	404	398	—
	15	347	345	347	350	353	360	369	382	391	395	400	391	—
	16	341	346	341	347	350	358	367	375	392	398	401	385	—
	17	331	335	336	325	336	340	348	354	362	374	378	374	—
	18	340	341	343	346	350	354	362	368	378	392	398	393	—
	19	335	338	335	347	346	349	357	366	378	390	388	386	—
	20	353	349	349	355	360	362	375	380	376	391	391	392	—
	21	337	340	345	356	351	349	363	369	377	385	394	392	—
	22	322	327	334	336	339	344	357	363	375	378	378	377	—
	23	325	327	327	332	335	341	354	370	380	384	384	374	—
	24	341	344	346	347	351	355	372	383	391	398	390	377	—
	25	338	341	344	346	348	355	368	381	393	402	396	389	—
	26	335	339	344	348	347	355	371	376	387	383	377	369	—
	27	324	327	333	334	339	349	364	364	365	359	369	362	—
	28	340	348	350	344	354	353	374	382	382	398	390	396	—
	29	303	311	313	318	335	339	336	344	354	352	342	319	—
	30	308	312	327	322	319	325	335	345	333	353	354	334	—
	31	314	319	322	324	327	334	342	346	357	364	377	373	—
Hourly Means.		333	335	338	341	345	350	361	370	377	383	383	376	—
Mean Batavia Time.		1 P.M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
AUGUST.	1	354	355	350	363	350	285	279	272	289	287	295	289	345
	2	336	306	291	294	316	320	322	326	322	326	331	320	321
	3	370	351	341	327	321	317	335	323	328	327	331	331	345
	4	356	352	330	332	332	333	335	329	326	319	315	339	345
	5	343	340	340	335	329	339	336	337	335	339	336	337	340
	6	367	360	349	331	334	343	340	340	336	336	343	345	350
	7	346	340	334	287	296	334	326	323	316	331	327	320	345
	8	352	320	317	305	321	318	321	320	329	324	316	322	333
	9	364	348	337	331	330	336	338	335	335	335	333	338	348
	10	377	353	344	322	317	326	327	334	327	341	337	338	353
	11	378	364	350	341	337	342	346	339	338	340	347	350	359
	12	372	364	353	331	317	322	335	335	325	327	335	338	357
	13	379	365	352	337	337	340	341	343	345	346	344	346	354
	14	388	376	355	339	339	344	347	344	344	344	342	343	362
	15	377	359	339	334	336	335	331	325	324	335	336	339	354
	16	392	383	361	326	297	297	320	329	329	326	328	331	351
	17	372	360	353	339	334	335	335	336	337	336	338	339	346
	18	385	381	365	350	345	340	341	336	331	334	335	333	356
	19	369	359	348	335	331	338	344	345	345	343	344	352	353
	20	373	358	343	333	331	334	324	331	335	334	331	337	351
	21	369	362	350	303	320	322	323	321	321	308	312	315	345
	22	368	346	334	330	330	329	334	332	323	321	314	321	342
	23	366	357	344	334	329	335	337	336	337	337	339	340	347
	24	357	341	333	324	328	337	336	333	334	334	335	336	351
	25	380	366	351	337	326	327	334	332	337	338	334	332	354
	26	362	362	346	324	306	300	284	289	307	315	317	319	340
	27	354	344	343	335	332	341	328	329	335	337	336	338	343
	28	369	335	301	293	291	284	296	235	263	273	278	308	331
	29	301	297	304	295	297	296	313	309	306	300	302	338	318
	30	314	319	306	299	306	305	306	318	315	315	315	313	320
	31	359	350	331	315	312	309	320	322	322	319	310	317	333
Hourly Means.		363	351	339	325	323	325	327	324	326	327	327	331	345.0

VERTICAL FORCE. A.

HOURLY OBSERVATIONS. — 0.19500 + THE NUMBERS IN THE TABLE.

Mean Batavia Time.		1 A.M.	2	3	4	5	6	7	8	9	10	11	12	—
AUGUST.	1	411	409	404	404	399	391	391	386	385	385	381	403	—
	2	433	430	427	417	416	405	405	390	397	393	395	394	—
	3	402	404	405	389	396	387	384	387	390	386	381	387	—
	4	405	398	399	400	389	382	375	369	367	366	366	359	—
	5	401	399	395	388	387	384	383	391	390	393	397	395	—
	6	402	399	398	397	395	386	376	355	349	341	351	357	—
	7	375	379	371	377	369	365	359	355	363	361	380	370	—
	8	399	389	386	389	383	387	387	387	396	387	376	371	—
	9	383	385	387	379	379	367	368	387	387	387	399	394	—
	10	401	399	398	397	393	380	374	365	369	377	383	391	—
	11	396	395	393	391	389	380	373	381	392	393	389	397	—
	12	396	393	391	389	386	380	375	379	379	379	374	377	—
	13	409	407	405	404	401	393	391	393	388	384	384	385	—
	14	406	403	401	398	395	389	389	400	405	404	409	407	—
	15	411	410	409	406	404	395	393	386	386	384	379	377	—
	16	407	405	406	403	400	390	385	392	381	381	379	385	—
	17	426	425	425	431	424	419	418	419	413	393	390	389	—
	18	430	428	427	425	423	413	412	378	374	367	357	357	—
	19	401	399	399	391	392	386	381	366	359	352	343	345	—
	20	370	373	374	373	367	358	355	365	363	345	338	338	—
	21	381	378	375	371	373	369	360	353	339	330	323	321	—
	22	380	375	373	371	370	362	357	354	351	351	349	350	—
	23	388	383	384	380	374	369	367	353	348	338	336	345	—
	24	388	383	383	380	376	370	365	353	345	326	322	340	—
	25	387	383	382	380	378	371	369	378	367	368	376	379	—
	26	401	395	391	388	388	380	379	384	383	378	368	355	—
	27	393	389	387	387	385	379	377	397	400	396	378	365	—
	28	403	397	394	399	391	389	382	391	397	389	394	383	—
	29	406	402	397	397	391	381	392	423	430	427	417	417	—
	30	428	427	415	416	417	406	410	411	423	409	404	403	—
	31	410	404	400	399	395	387	387	391	391	385	375	377	—
Hourly Means.		401	398	396	394	391	384	381	381	381	376	374	375	—
Mean Batavia Time.		1 P.M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
AUGUST.	1	409	406	402	385	397	452	469	468	445	445	433	437	412
	2	400	413	411	403	403	405	405	403	406	404	404	410	407
	3	400	408	409	412	411	418	405	412	407	405	404	403	400
	4	368	366	379	388	396	399	401	403	403	410	411	391	387
	5	403	400	404	407	407	405	403	403	404	402	404	401	398
	6	354	365	365	369	379	386	390	387	390	388	382	377	377
	7	395	399	391	412	411	402	400	402	417	403	403	401	386
	8	380	405	403	409	403	405	401	403	399	398	401	393	393
	9	397	402	405	403	408	411	409	414	414	411	411	406	396
	10	399	406	396	404	415	415	409	414	414	407	405	401	396
	11	399	397	391	393	404	409	408	413	412	412	402	397	396
	12	389	379	379	400	417	417	412	415	420	418	413	409	394
	13	383	383	389	401	411	416	414	413	412	411	411	407	400
	14	407	403	393	403	411	416	414	417	415	415	417	415	406
	15	382	385	386	389	400	410	414	421	421	413	411	410	399
	16	386	395	413	438	456	456	437	428	428	430	430	429	410
	17	400	411	419	426	429	437	435	433	433	432	431	430	420
	18	362	363	366	379	399	407	406	406	407	405	402	404	396
	19	352	358	362	372	383	387	382	383	381	378	374	370	375
	20	350	357	363	382	395	398	403	397	392	390	389	383	372
	21	353	357	357	386	390	395	393	393	391	398	393	388	369
	22	359	372	381	389	399	399	395	392	399	397	400	393	376
	23	357	369	380	388	391	392	393	393	397	395	397	391	375
	24	354	367	379	386	383	385	390	394	393	393	393	389	372
	25	374	368	373	392	413	417	411	411	409	405	405	405	388
	26	343	349	368	384	409	422	430	428	411	404	403	399	389
	27	377	375	375	383	401	406	416	418	411	411	408	405	392
	28	387	404	411	417	422	431	427	464	446	438	426	410	408
	29	411	400	391	405	417	425	423	425	430	434	433	406	412
	30	405	393	393	405	409	412	413	415	411	410	413	414	411
	31	380	377	380	395	402	409	404	404	405	409	412	405	395
Hourly Means.		381	385	388	397	406	411	410	412	410	409	407	403	393.8

EASTERLY DECLINATION. A.

HOURLY OBSERVATIONS. — 1° 40' + THE NUMBERS IN THE TABLE.

Mean Batavia Time.		1 A.M.	2	3	4	5	6	7	8	9	10	11	12	—
SEPTEMBER.	1	12.4	12.8	13.1	13.0	13.1	13.5	14.3	13.2	12.0	11.1	10.7	10.9	—
	2	13.1	12.6	12.6	13.1	13.3	14.3	14.8	13.3	11.7	10.4	10.4	11.6	—
	3	12.8	12.6	12.5	13.0	13.2	14.0	14.0	12.8	11.6	11.4	11.2	11.5	—
	4	13.5	13.4	13.4	13.6	13.9	14.1	13.9	12.3	11.9	11.8	13.0	12.8	—
	5	12.0	12.6	13.3	12.4	13.1	13.0	14.2	13.3	13.2	11.7	12.5	12.3	—
	6	13.8	13.9	13.9	13.8	13.9	14.4	14.3	12.0	11.5	11.9	12.0	12.5	—
	7	13.3	13.4	13.5	13.8	13.9	14.2	14.2	13.2	11.6	11.5	11.7	12.7	—
	8	13.6	13.9	14.1	14.2	14.3	15.0	15.6	13.0	12.0	12.8	13.0	12.8	—
	9	12.3	12.6	12.5	12.5	13.1	13.5	13.5	12.8	11.8	11.9	12.7	12.5	—
	10	13.6	13.2	13.2	13.4	14.0	14.4	14.3	13.3	12.4	11.7	11.9	11.9	—
	11	13.3	13.5	13.5	13.8	13.8	14.8	15.1	14.0	13.1	12.6	11.8	11.9	—
	12	13.3	13.5	13.8	13.6	13.4	13.4	13.9	12.8	12.6	11.9	11.9	12.0	—
	13	13.2	13.1	13.1	13.2	13.6	14.4	15.1	14.4	12.5	11.5	10.4	10.0	—
	14	13.2	13.6	13.9	14.1	14.2	15.0	14.8	13.5	12.5	10.8	10.7	11.5	—
	15	13.2	13.3	13.1	13.2	13.2	14.0	13.6	12.2	11.0	10.7	11.7	12.5	—
	16	12.8	13.2	12.7	12.7	12.8	13.6	14.7	12.6	11.6	11.8	12.0	12.0	—
	17	12.3	12.8	13.0	13.4	13.5	13.6	13.1	12.6	12.4	12.2	11.1	10.6	—
	18	12.8	12.8	13.0	13.0	13.1	13.0	13.2	13.0	12.7	12.4	12.5	12.8	—
	19	12.8	12.5	13.0	13.1	13.1	13.5	13.9	13.5	13.0	13.1	12.8	13.3	—
	20	12.8	13.0	13.1	13.2	13.0	13.5	13.1	13.2	12.6	12.7	12.4	12.7	—
	21	13.0	13.2	13.1	13.2	13.2	13.5	13.1	12.2	11.5	11.2	11.5	12.0	—
	22	13.2	13.6	13.5	13.5	13.6	14.1	14.1	12.6	13.0	13.2	14.1	14.7	—
	23	12.3	12.8	13.0	13.4	13.0	13.1	13.0	12.8	12.6	12.8	13.8	13.6	—
	24	13.0	12.4	11.7	11.4	12.6	12.7	13.2	12.7	12.3	11.4	12.1	12.7	—
	25	13.2	13.2	13.2	13.1	13.1	13.2	13.4	12.4	12.4	12.3	12.6	12.2	—
	26	12.8	12.7	13.2	13.2	13.2	13.2	12.4	11.4	10.8	12.4	13.3	14.2	—
	27	12.8	13.0	13.0	12.9	12.7	13.0	12.4	11.4	11.0	10.7	10.7	11.9	—
	28	12.0	12.3	12.3	12.6	13.1	13.3	13.4	12.3	11.6	12.2	12.7	13.3	—
	29	13.2	13.3	13.5	13.5	13.7	13.4	12.8	11.8	11.1	11.7	12.7	13.5	—
	30	14.1	14.3	14.3	14.1	14.2	14.3	14.3	13.9	12.8	13.0	13.0	14.0	—
Hourly Means.		13.0	13.1	13.2	13.2	13.4	13.8	13.9	12.8	12.1	11.9	12.1	12.4	—
Mean Batavia Time.		1 P.M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
SEPTEMBER	1	11.1	12.5	14.1	15.5	15.8	14.8	14.3	13.9	13.8	13.5	13.2	13.3	13.2
	2	12.0	12.6	14.2	14.8	15.1	14.4	13.4	13.6	12.8	13.2	12.8	13.0	13.0
	3	12.5	13.8	15.0	15.8	15.6	14.7	14.0	13.2	13.0	12.7	12.4	12.6	13.2
	4	12.0	12.5	14.1	15.1	15.5	15.0	13.9	12.8	13.5	12.3	13.0	12.4	13.3
	5	12.3	14.2	16.5	15.6	14.6	13.8	13.4	13.9	13.1	13.2	13.5	13.4	13.4
	6	12.8	13.5	15.0	15.0	15.1	14.2	14.0	13.3	13.2	13.0	12.8	13.2	13.5
	7	13.6	14.1	14.2	14.1	14.0	13.4	13.1	13.2	13.2	13.0	13.1	13.4	13.3
	8	13.1	13.6	13.8	15.2	14.3	13.3	13.2	12.8	13.1	12.8	13.0	13.0	13.6
	9	12.3	12.4	13.6	15.1	14.9	13.9	13.5	13.5	13.3	13.3	13.5	13.4	13.1
	10	11.7	12.0	13.6	14.9	14.4	13.9	13.3	13.2	13.2	13.2	13.2	13.3	13.2
	11	12.0	12.7	13.4	14.0	14.1	13.4	13.4	13.5	13.2	13.1	13.0	13.4	13.4
	12	12.2	12.8	13.4	14.0	14.0	13.1	13.0	12.8	12.7	12.6	12.8	13.0	13.0
	13	10.7	12.0	14.8	15.4	14.7	13.3	13.2	13.1	13.0	13.1	13.2	13.3	13.1
	14	12.0	13.2	14.0	14.1	13.9	13.3	12.8	12.8	12.8	12.7	12.8	13.2	13.1
	15	13.0	14.1	14.3	15.1	15.5	14.2	13.8	14.2	12.2	12.8	12.8	13.0	13.2
	16	14.0	13.0	15.1	14.6	13.9	12.7	12.0	12.6	12.8	12.7	12.5	12.8	13.0
	17	10.4	11.1	13.4	15.0	15.1	13.4	13.2	13.0	13.0	12.7	12.6	12.6	12.8
	18	12.6	13.4	13.8	14.3	14.0	13.4	13.6	13.5	13.0	13.0	13.0	13.1	13.1
	19	13.9	14.0	14.4	14.7	14.4	14.1	13.2	13.1	13.0	12.8	12.8	12.8	13.4
	20	12.8	13.2	14.0	14.1	13.8	13.2	13.1	13.0	13.1	12.7	12.8	12.8	13.1
	21	12.7	13.1	14.4	14.9	14.4	13.6	13.4	13.2	13.2	13.1	13.0	12.8	13.0
	22	14.3	14.0	13.3	13.6	13.5	13.5	13.1	13.2	12.5	13.0	13.0	13.1	13.5
	23	14.0	14.9	15.2	14.9	14.0	14.1	13.0	13.6	13.8	11.7	12.8	12.6	13.4
	24	13.5	13.5	13.7	13.6	13.3	13.2	13.2	12.9	12.7	12.7	12.8	12.6	12.7
	25	14.8	14.8	14.9	14.8	14.1	13.4	13.5	13.4	13.1	12.7	12.5	12.7	13.3
	26	15.0	14.7	14.1	14.0	14.2	13.9	13.8	13.4	13.2	12.9	12.8	13.0	13.2
	27	13.2	13.9	14.7	14.9	15.0	14.5	14.0	14.0	13.2	13.2	12.7	12.9	13.0
	28	13.6	13.8	13.9	13.5	13.3	13.4	13.5	13.2	13.1	12.9	13.0	12.9	13.0
	29	14.2	14.7	15.0	15.1	14.9	14.3	14.3	14.3	14.2	14.0	14.0	14.0	13.6
	30	14.3	13.0	13.5	13.9	14.1	14.2	14.3	13.5	13.6	13.5	13.5	13.4	13.8
Hourly Means.		12.9	13.4	14.3	14.7	14.5	13.8	13.5	13.3	13.1	12.9	13.0	13.0	13.22

HORIZONTAL FORCE. A.

HOURLY OBSERVATIONS. — 0.36800 + THE NUMBERS IN THE TABLE.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
S E P T E M B E R.	1	331	317	321	331	332	335	347	352	356	368	373	371	—
	2	327	329	329	327	331	344	358	363	374	389	393	377	—
	3	322	333	334	328	335	337	354	369	383	396	396	382	—
	4	321	321	325	330	336	341	354	360	370	364	352	342	—
	5	321	318	328	332	323	329	335	367	343	361	349	336	—
	6	329	316	321	324	322	326	354	372	354	347	360	354	—
	7	324	325	343	332	336	353	360	357	377	376	378	371	—
	8	334	335	333	340	348	345	367	375	387	387	387	388	—
	9	327	307	307	309	318	325	342	361	379	382	374	362	—
	10	328	332	322	328	331	337	353	366	379	388	393	372	—
	11	327	330	329	329	336	343	355	368	382	392	392	383	—
	12	316	322	325	329	335	340	347	357	362	369	373	370	—
	13	320	325	337	335	332	335	349	345	359	373	380	380	—
	14	330	329	325	336	335	340	347	358	366	378	386	383	—
	15	336	340	345	327	340	336	336	345	354	370	375	372	—
	16	298	320	317	321	312	328	338	346	353	347	333	337	—
	17	286	301	301	289	303	307	318	321	344	356	362	356	—
	18	295	298	306	307	307	313	321	332	344	360	368	367	—
	19	301	315	303	308	312	317	321	327	338	348	362	355	—
	20	296	294	298	306	307	319	321	335	349	347	362	361	—
	21	315	315	317	321	315	320	334	340	354	359	368	369	—
	22	325	320	327	331	332	337	350	375	374	382	374	365	—
	23	294	288	306	302	317	317	326	341	353	357	336	350	—
	24	273	284	321	297	302	314	312	334	333	355	356	364	—
	25	315	316	317	320	320	321	319	331	346	368	369	367	—
	26	303	305	314	312	315	316	323	335	361	358	372	370	—
	27	307	314	318	321	317	321	331	339	353	364	365	356	—
	28	283	281	286	293	307	304	320	336	350	348	344	337	—
	29	302	305	303	302	307	309	307	318	335	335	340	342	—
	30	305	307	308	309	315	310	325	340	351	356	369	364	—
Hourly Means.		313	315	319	319	323	327	337	349	359	366	368	363	—
Mean Batavia time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
S E P T E M B E R.	1	359	344	339	320	309	313	313	315	314	310	311	325	334
	2	353	344	326	320	308	312	315	310	323	317	321	320	338
	3	376	348	322	307	297	296	297	307	314	316	324	314	337
	4	332	325	322	308	307	272	279	310	278	306	310	317	324
	5	341	322	279	319	314	313	324	302	306	310	316	327	326
	6	340	332	334	335	315	316	310	315	313	312	322	322	331
	7	353	338	340	335	331	329	334	331	327	327	331	331	343
	8	382	363	349	331	326	326	324	331	317	307	291	299	345
	9	350	325	319	325	327	332	326	325	323	325	321	326	334
	10	356	338	320	302	319	327	327	328	326	325	327	327	340
	11	368	359	342	334	327	332	328	327	329	321	334	320	345
	12	359	344	336	332	332	336	331	326	326	318	317	316	338
	13	371	357	346	338	331	328	329	329	329	326	325	327	342
	14	380	359	353	339	332	334	334	335	335	335	337	329	346
	15	374	359	342	323	299	270	274	274	256	254	261	299	324
	16	297	293	274	241	261	264	275	273	250	256	268	279	299
	17	348	330	302	269	270	293	298	306	298	299	302	296	311
	18	351	337	318	306	301	307	289	283	284	288	302	301	316
	19	354	331	310	297	297	297	304	307	304	304	300	300	317
	20	353	335	315	305	307	311	310	310	304	308	308	312	320
	21	352	336	326	321	320	325	325	321	321	321	327	327	331
	22	354	336	330	327	322	321	323	318	297	293	261	314	333
	23	344	308	312	292	312	290	308	284	260	312	277	267	311
	24	358	347	328	327	318	316	316	315	312	312	313	318	322
	25	347	315	307	298	296	306	297	287	278	292	297	306	318
	26	352	331	315	306	305	307	303	299	289	307	310	302	321
	27	346	327	311	283	276	270	257	253	269	262	270	271	308
	28	331	320	307	290	294	297	292	299	294	297	298	297	309
	29	334	323	314	309	306	307	307	305	300	301	302	305	313
	30	353	328	314	310	302	289	277	293	300	302	297	304	318
Hourly Means.		352	335	322	312	309	308	308	307	303	305	306	310	326.5

VERTICAL FORCE. A.

HOURLY OBSERVATIONS. — 0.19500 + THE NUMBERS IN THE TABLE.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
S E P T E M B E R.	1	399	404	400	391	390	382	375	370	367	361	359	358	—
	2	385	383	385	387	380	363	360	365	367	355	351	355	—
	3	389	383	381	383	378	373	367	372	373	365	372	380	—
	4	399	395	393	391	385	383	379	382	372	365	367	378	—
	5	400	394	392	385	391	383	387	365	383	381	363	377	—
	6	385	394	393	390	391	385	391	370	376	369	351	348	—
	7	383	381	371	377	377	361	360	367	352	348	347	349	—
	8	384	382	385	379	377	375	376	385	373	359	365	369	—
	9	402	422	421	419	412	411	397	391	389	383	385	395	—
	10	417	413	417	413	409	404	398	397	386	379	373	385	—
	11	421	418	419	417	411	403	405	405	401	395	399	413	—
	12	434	425	422	418	415	411	402	365	354	357	355	363	—
	13	407	403	395	394	397	391	393	408	409	407	406	401	—
	14	411	410	410	401	403	397	397	402	399	382	378	381	—
	15	413	409	408	418	409	406	413	419	409	385	369	367	—
	16	416	411	411	414	419	405	410	405	404	399	392	393	—
	17	421	415	412	425	413	411	404	422	411	414	414	423	—
	18	450	446	442	439	410	433	430	425	423	409	400	401	—
	19	443	437	445	439	437	431	436	425	418	408	391	403	—
	20	448	450	445	439	439	429	431	430	421	428	425	429	—
	21	437	438	438	435	439	438	436	431	418	407	400	403	—
	22	430	434	433	427	428	420	419	404	397	391	392	402	—
	23	448	455	439	441	434	435	429	419	409	405	413	409	—
	24	464	457	432	449	447	437	442	433	439	425	418	415	—
	25	449	446	445	444	445	442	450	449	437	411	397	405	—
	26	455	452	447	449	449	450	451	445	421	401	383	379	—
	27	451	447	442	442	445	444	446	445	430	411	406	403	—
	28	466	465	461	458	446	449	451	447	430	419	422	428	—
	29	464	462	462	460	458	451	452	449	433	425	417	411	—
	30	462	458	455	452	449	450	447	438	428	423	423	423	—
Hourly Means.		424	423	420	419	417	412	411	408	401	392	388	392	—
Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
S E P T E M B E R.	1	361	362	368	381	395	398	399	399	399	402	401	385	384
	2	369	361	373	379	391	393	395	397	391	393	389	389	377
	3	375	375	380	399	413	417	416	409	404	403	400	404	388
	4	392	393	382	397	405	431	427	407	423	407	398	394	394
	5	369	367	388	374	393	398	393	403	405	399	393	387	386
	6	358	359	362	368	390	400	404	401	399	397	389	384	381
	7	359	377	376	387	390	395	394	394	394	397	391	388	376
	8	371	386	396	412	429	430	429	427	431	434	442	430	397
	9	401	403	396	391	399	407	417	418	421	420	421	421	406
	10	404	407	407	422	419	419	422	422	425	425	424	421	409
	11	427	425	427	433	432	429	430	430	430	433	428	431	419
	12	373	387	388	388	399	402	405	409	407	413	412	415	397
	13	399	387	370	387	403	413	413	411	414	415	417	414	402
	14	378	385	392	405	415	417	416	415	416	418	415	417	403
	15	368	379	395	404	432	457	455	450	465	458	449	414	415
	16	410	426	434	455	441	436	430	432	449	445	434	425	421
	17	435	430	431	447	451	444	442	439	443	448	446	449	429
	18	413	418	436	449	457	449	460	458	458	451	443	441	436
	19	409	425	437	443	449	451	447	443	445	447	449	445	433
	20	438	439	449	455	456	450	449	448	450	449	445	440	441
	21	424	436	437	433	438	438	438	439	439	437	432	431	431
	22	429	453	461	461	460	453	449	449	465	466	482	438	435
	23	413	437	437	453	444	456	450	466	480	452	469	475	440
	24	419	431	445	451	458	456	456	456	458	456	453	451	444
	25	423	448	448	452	456	458	462	472	481	469	468	451	446
	26	397	422	437	449	455	456	462	460	467	456	452	460	440
	27	406	418	437	457	473	477	485	492	482	479	481	477	449
	28	432	443	451	465	462	462	468	465	469	468	468	469	453
	29	422	432	443	451	456	458	460	464	468	465	464	463	450
	30	424	460	471	476	484	495	508	491	483	483	484	481	460
Hourly Means.		400	409	415	424	432	435	436	436	439	436	435	430	41.81

EASTERLY DECLINATION. A.

HOURLY OBSERVATIONS. — 1° 40'. + THE NUMBERS IN THE TABLE.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
OCTOBER.	1	11.4	12.0	12.1	12.1	12.1	12.4	12.3	11.5	11.3	11.5	11.6	12.4	—
	2	12.5	12.5	12.5	12.5	12.5	12.7	11.6	10.0	10.1	10.8	11.6	12.8	—
	3	12.5	12.5	12.5	12.3	12.1	11.5	10.4	10.0	10.0	11.2	12.4	14.3	—
	4	12.5	12.9	12.8	12.7	12.8	13.1	12.4	11.2	10.5	10.4	11.1	12.9	—
	5	13.0	13.0	13.2	13.2	13.0	13.3	12.7	10.9	9.7	8.8	9.5	11.1	—
	6	13.2	13.1	13.1	13.0	13.0	13.7	12.4	10.7	9.8	9.9	11.1	13.0	—
	7	13.0	13.1	13.2	13.2	12.9	12.9	12.0	9.9	9.3	9.0	10.0	12.5	—
	8	12.7	12.5	12.4	12.5	12.4	12.3	12.0	11.2	9.6	11.4	11.6	13.1	—
	9	12.5	12.7	12.7	12.5	12.2	11.6	10.6	9.7	9.0	9.9	11.6	12.8	—
	10	13.2	13.0	13.0	12.9	12.7	12.3	12.1	10.6	9.6	10.0	11.1	13.1	—
	11	12.9	13.1	13.0	13.1	13.0	12.9	11.9	8.7	8.3	9.1	10.1	10.9	—
	12	12.0	11.9	12.0	11.7	11.9	11.6	10.5	10.3	10.1	10.4	11.7	13.5	—
	13	12.3	12.7	12.7	12.5	12.5	12.5	11.5	9.9	9.7	10.3	11.6	13.1	—
	14	13.0	12.5	12.7	12.9	13.2	13.6	12.4	10.7	10.5	10.1	10.6	11.9	—
	15	12.7	12.7	12.5	12.4	12.3	12.3	12.4	11.5	11.5	11.5	12.3	12.5	—
	16	11.9	12.3	12.8	12.7	12.3	12.4	11.6	10.9	11.2	11.2	11.9	13.0	—
	17	12.7	12.8	12.8	12.9	12.8	12.9	12.3	11.3	11.2	11.1	11.6	12.7	—
	18	12.8	12.8	12.9	12.8	12.7	12.5	11.6	11.3	10.7	10.6	11.9	13.1	—
	19	12.7	12.8	12.9	12.8	12.9	12.1	11.4	9.9	9.9	9.8	10.8	12.2	—
	20	12.5	12.8	12.8	13.1	13.1	12.7	11.3	10.3	10.3	10.6	12.3	13.8	—
	21	13.2	12.5	13.2	13.0	12.9	11.9	10.3	8.8	8.9	8.9	10.0	12.3	—
	22	12.7	12.8	12.8	12.7	12.3	11.4	10.1	9.2	9.3	9.8	11.3	13.8	—
	23	12.3	12.7	12.8	12.5	12.4	11.4	10.6	10.0	10.4	11.5	12.8	13.9	—
	24	12.5	12.8	12.3	12.5	11.9	11.9	10.6	10.3	10.1	10.7	12.4	13.9	—
	25	12.9	12.9	12.8	12.7	12.5	11.3	10.4	9.0	8.0	8.0	9.6	11.5	—
	26	12.7	12.8	12.8	12.8	12.8	12.3	11.3	10.7	10.3	10.5	11.4	13.5	—
	27	12.5	12.5	12.7	12.8	12.7	12.5	11.7	11.3	10.8	10.5	11.3	12.9	—
	28	12.4	12.4	12.5	12.5	12.4	12.4	12.1	11.5	10.7	10.6	11.4	12.3	—
	29	12.5	12.1	12.4	12.3	12.3	12.5	12.5	11.2	10.4	11.4	12.4	14.0	—
	30	12.3	12.2	12.4	12.3	12.5	12.7	12.9	13.0	12.9	12.9	12.9	14.0	—
	31	12.5	12.7	12.4	12.3	12.2	12.0	11.6	11.2	11.1	11.6	11.7	12.5	—
Hourly Means.		12.6	12.6	12.7	12.7	12.6	12.4	11.6	10.5	10.2	10.5	11.4	12.9	—
Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
OCTOBER.	1	13.5	13.7	14.0	13.7	13.6	12.9	12.9	12.5	12.5	12.3	12.3	12.7	12.5
	2	14.3	14.7	15.3	15.3	14.1	13.1	13.0	12.5	12.8	12.3	12.4	12.5	12.7
	3	15.6	15.8	15.4	14.4	14.1	13.3	13.0	12.9	12.7	12.7	12.4	12.8	12.8
	4	14.5	14.8	14.1	13.7	13.2	13.2	13.0	12.9	12.8	12.7	12.8	12.9	12.7
	5	12.9	14.0	13.9	13.7	13.5	13.2	13.0	13.0	12.9	12.8	12.8	13.0	12.5
	6	14.5	14.6	14.4	14.1	13.6	13.2	13.2	13.2	12.9	12.9	13.1	13.0	12.9
	7	14.6	14.4	13.8	13.1	12.7	13.1	13.1	12.9	12.8	12.7	12.7	12.7	12.5
	8	14.5	14.5	14.5	14.3	14.3	13.9	13.7	13.2	12.9	12.9	12.7	12.7	12.8
	9	14.7	15.1	14.5	13.9	13.6	13.3	13.0	12.5	12.8	12.8	12.4	13.1	12.5
	10	14.4	14.4	14.3	13.5	13.0	12.9	13.0	13.0	12.8	12.7	12.7	12.8	12.6
	11	12.1	12.3	11.5	12.5	12.3	11.6	11.9	11.9	11.9	11.7	11.7	11.7	11.7
	12	14.9	15.4	15.3	13.9	13.1	12.8	12.9	12.9	12.7	12.5	12.5	12.4	12.5
	13	14.3	15.1	14.6	14.8	14.8	14.0	13.1	12.1	12.8	12.4	12.9	12.8	12.7
	14	12.3	12.9	13.7	13.9	14.0	14.1	13.9	12.9	13.2	12.7	12.5	12.5	12.6
	15	13.8	14.8	15.3	14.6	14.5	14.1	13.8	13.2	12.8	12.4	12.5	12.0	12.9
	16	14.6	15.3	15.6	15.3	15.3	14.6	13.8	13.7	12.7	12.8	12.9	12.5	13.1
	17	13.9	14.0	14.0	13.5	13.0	12.9	12.9	12.9	12.7	12.5	12.5	12.8	12.7
	18	14.1	14.6	14.8	13.9	13.7	13.3	13.5	13.2	12.8	13.1	12.5	12.7	12.8
	19	13.6	14.5	14.4	13.9	13.9	13.6	13.2	11.7	12.8	12.8	12.3	12.4	12.5
	20	14.7	15.4	15.3	14.0	13.8	13.1	13.5	13.0	12.8	12.8	12.8	12.7	12.9
	21	14.0	14.4	14.5	13.9	13.3	12.8	12.8	12.8	12.7	12.5	12.5	12.5	12.3
	22	14.9	14.8	14.7	14.3	14.3	13.7	13.6	13.0	13.0	12.4	12.4	12.3	12.6
	23	13.9	13.6	13.6	13.9	14.6	13.5	13.0	12.3	12.5	12.4	12.5	12.3	12.6
	24	15.2	15.2	14.8	13.7	13.0	12.8	12.8	12.9	12.8	12.7	12.5	12.8	12.6
	25	12.9	13.7	13.9	13.9	13.6	13.3	13.2	12.8	12.4	12.4	12.5	12.5	12.0
	26	14.8	14.8	14.8	14.0	13.9	13.6	13.3	13.0	12.9	12.7	12.5	12.5	12.8
	27	14.0	14.1	14.0	13.9	13.9	13.5	13.5	13.1	12.7	12.8	12.7	12.5	12.7
	28	13.6	14.1	14.7	14.5	13.9	13.5	13.5	13.0	12.9	12.8	12.7	12.7	12.7
	29	14.0	13.9	14.4	13.8	13.8	13.6	13.2	13.0	12.8	12.5	12.5	12.2	12.7
	30	14.5	14.5	14.6	14.6	14.0	13.3	13.6	13.3	13.0	12.7	12.5	12.5	13.2
	31	12.8	12.8	13.5	13.9	14.1	13.6	13.5	13.2	12.9	12.1	11.7	12.5	12.5
Hourly Means.		14.1	14.4	14.4	14.0	13.8	13.3	13.2	12.9	12.8	12.6	12.5	12.6	126.3

HORIZONTAL FORCE. A.

HOURLY OBSERVATIONS. — 0.36800 + THE NUMBERS IN THE TABLE.

Mean Batavia Time.		1 A.M.	2	3	4	5	6	7	8	9	10	11	12	—
OCTOBER.	1	320	317	323	327	324	331	340	356	365	372	379	373	—
	2	322	325	341	334	339	341	352	358	364	375	385	402	—
	3	321	326	329	337	338	341	343	356	367	367	376	372	—
	4	320	327	329	333	336	342	352	362	373	375	376	380	—
	5	338	342	342	343	347	351	357	370	382	385	386	385	—
	6	335	332	342	347	346	347	350	362	372	383	386	382	—
	7	342	342	342	344	346	344	354	363	374	386	400	400	—
	8	320	320	326	330	337	341	351	364	379	390	392	391	—
	9	330	330	340	344	347	348	352	358	369	367	364	366	—
	10	316	329	335	340	343	343	354	353	372	380	387	393	—
	11	328	328	329	337	342	343	354	370	377	386	390	390	—
	12	335	335	332	342	341	344	346	356	358	373	379	380	—
	13	320	306	318	319	322	329	335	339	345	346	357	356	—
	14	317	335	331	324	327	327	336	347	351	360	348	353	—
	15	310	314	321	322	319	321	334	346	354	364	358	356	—
	16	327	320	314	317	322	327	329	332	333	347	336	337	—
	17	306	309	316	318	327	337	348	351	351	362	376	374	—
	18	328	329	332	332	338	333	346	354	362	368	370	371	—
	19	311	311	314	314	315	323	323	333	347	348	354	355	—
	20	325	332	338	325	328	328	339	345	359	383	377	378	—
	21	308	313	309	323	324	327	333	313	346	353	355	351	—
	22	321	321	323	337	333	341	352	371	385	389	400	399	—
	23	305	305	313	315	317	327	324	336	348	344	349	337	—
	24	299	304	310	308	312	308	292	328	339	349	356	358	—
	25	297	307	308	317	314	321	328	342	355	357	353	351	—
	26	303	306	306	309	309	309	312	318	332	337	345	346	—
	27	309	321	314	318	318	322	324	332	316	353	358	356	—
	28	300	303	307	314	311	319	329	347	356	355	356	351	—
	29	318	324	317	320	321	327	330	348	371	361	360	353	—
	30	315	313	319	320	322	328	339	346	354	355	365	357	—
	31	310	315	319	325	321	322	327	337	355	346	347	338	—
Hourly Means.		318	321	324	327	329	332	338	349	359	365	368	367	—
Mean Batavia Time.		1 P.M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
OCTOBER.	1	363	343	337	330	328	327	320	323	323	325	322	317	337
	2	394	365	328	303	290	309	313	317	313	326	322	320	339
	3	362	347	337	329	330	332	325	323	313	310	316	314	338
	4	371	348	335	329	333	336	335	335	334	336	336	337	345
	5	376	360	347	342	343	347	346	347	347	345	342	336	354
	6	378	360	342	338	342	341	338	332	333	327	329	333	349
	7	384	358	350	344	339	326	306	315	314	320	324	319	347
	8	385	361	350	341	332	321	313	313	328	317	315	326	343
	9	350	323	312	310	314	316	314	320	320	315	339	319	336
	10	380	364	352	344	339	340	335	333	331	332	331	329	348
	11	371	356	342	339	339	338	335	333	328	333	333	333	348
	12	368	350	334	327	323	321	316	315	320	315	314	312	339
	13	356	339	335	329	314	295	280	314	302	292	304	301	323
	14	345	324	313	319	308	289	285	305	294	309	308	305	323
	15	352	341	293	298	282	284	288	284	293	309	301	309	319
	16	343	323	309	276	271	271	290	300	323	304	290	310	315
	17	363	347	334	331	331	326	325	325	330	329	333	332	337
	18	361	349	338	329	327	322	318	320	319	310	322	310	337
	19	347	333	327	317	310	320	327	327	331	324	328	327	328
	20	357	351	342	335	331	332	327	327	325	312	300	300	337
	21	342	327	322	318	322	324	320	319	320	321	321	319	327
	22	375	358	342	321	311	318	314	318	300	281	274	285	336
	23	336	333	327	317	261	262	296	299	301	295	290	295	314
	24	350	334	321	317	317	311	311	312	309	306	314	304	320
	25	344	329	311	289	290	286	277	276	290	295	299	299	314
	26	334	323	315	313	309	310	311	315	309	303	302	309	316
	27	343	327	328	320	308	317	315	315	311	295	291	293	322
	28	344	341	347	343	329	332	333	328	325	319	314	319	330
	29	343	335	327	314	312	309	313	316	314	315	315	319	328
	30	344	337	331	327	323	312	290	290	295	290	305	309	324
	31	339	331	335	332	311	305	289	274	300	300	311	309	321
Hourly Means.		358	342	331	323	317	315	313	315	316	313	314	314	332.1

VERTICAL FORCE. A.

HOURLY OBSERVATIONS. — 0.19500 + THE NUMBERS IN THE TABLE.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
OCTOBER.	1	396	396	390	385	387	377	377	371	362	350	348	346	—
	2	411	408	397	398	394	391	402	396	383	359	339	323	—
	3	384	378	375	365	371	362	365	398	384	369	360	352	—
	4	410	404	404	406	404	401	403	373	362	348	334	324	—
	5	390	389	390	391	388	388	401	394	386	379	363	337	—
	6	394	396	392	386	386	384	404	429	421	391	368	361	—
	7	410	408	409	410	412	416	428	428	412	389	363	348	—
	8	423	422	416	411	409	409	411	404	390	384	378	371	—
	9	422	421	415	412	414	420	426	414	396	388	380	360	—
	10	429	418	414	412	414	427	427	431	408	382	354	340	—
	11	431	430	429	423	419	421	420	422	404	390	384	384	—
	12	429	431	431	424	424	428	442	452	441	410	384	369	—
	13	449	458	450	447	445	441	444	447	437	424	397	389	—
	14	450	434	439	444	442	445	454	435	435	423	409	397	—
	15	430	429	424	423	427	429	423	396	378	375	375	370	—
	16	408	411	420	415	410	412	422	425	422	405	409	405	—
	17	430	430	425	424	418	415	419	429	424	406	381	385	—
	18	427	428	429	428	422	431	435	460	447	423	404	396	—
	19	459	455	452	453	450	450	457	456	441	437	419	403	—
	20	450	446	441	451	450	453	455	443	429	397	383	373	—
	21	455	451	449	441	442	453	462	468	451	424	397	384	—
	22	451	450	449	442	445	449	453	431	411	391	369	358	—
	23	450	447	442	442	443	444	453	449	431	413	413	415	—
	24	459	453	448	450	451	462	466	464	447	421	403	390	—
	25	471	461	457	451	455	462	473	478	470	451	425	411	—
	26	468	463	462	460	462	469	473	462	445	429	406	398	—
	27	454	445	449	445	447	449	457	449	431	417	407	411	—
	28	449	442	437	430	434	434	435	429	412	410	392	387	—
	29	435	429	432	429	425	422	429	441	433	422	413	408	—
	30	442	443	439	434	432	424	426	411	410	405	397	391	—
	31	419	415	413	407	411	417	421	385	359	355	344	353	—
Hourly Means.		432	429	426	424	424	425	431	428	415	399	384	375	—
Mean Batavia Time.		1 P.M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
OCTOBER.	1	369	390	407	415	409	415	416	411	412	411	414	413	390
	2	330	351	379	416	435	414	404	402	398	388	388	389	387
	3	360	377	398	408	412	415	422	418	424	425	420	418	390
	4	326	349	380	400	399	395	395	394	394	393	391	391	383
	5	338	361	383	390	390	389	388	390	391	392	393	394	383
	6	362	388	403	410	412	416	417	424	424	426	420	416	401
	7	361	388	404	418	422	427	444	435	432	425	420	423	410
	8	376	407	422	429	436	444	448	447	434	438	437	425	415
	9	370	400	418	422	423	426	429	429	429	431	412	429	412
	10	350	380	407	422	431	446	431	433	433	433	435	433	412
	11	391	411	422	426	425	428	430	435	437	437	437	432	420
	12	371	400	424	444	452	450	455	452	448	451	453	455	430
	13	398	421	437	446	456	470	481	456	459	471	460	460	443
	14	405	417	429	431	433	445	449	443	440	433	434	433	433
	15	376	379	425	431	441	435	435	437	431	421	425	427	414
	16	397	408	430	454	456	456	437	435	424	436	447	430	424
	17	385	408	421	431	431	434	435	435	431	430	427	426	420
	18	410	428	437	455	463	461	462	460	460	462	455	463	439
	19	399	423	437	448	461	449	446	450	450	455	451	450	444
	20	390	396	411	429	438	447	450	452	454	462	469	464	435
	21	391	417	429	440	445	453	456	455	456	455	455	453	441
	22	390	409	427	451	463	455	460	458	468	485	487	471	438
	23	429	433	440	451	495	499	468	464	462	464	469	464	449
	24	395	411	431	451	461	468	465	466	468	468	468	468	447
	25	422	435	452	475	477	481	489	491	482	475	470	471	462
	26	419	435	447	451	451	450	451	452	460	465	465	456	450
	27	417	429	433	438	447	439	442	443	451	464	464	457	441
	28	397	403	398	415	429	427	429	434	437	442	449	437	425
	29	428	434	439	452	453	451	448	446	446	442	445	442	435
	30	401	412	420	422	426	435	445	443	437	439	427	420	424
	31	371	385	387	389	401	409	421	430	408	409	401	402	396
Hourly Means.		385	403	419	431	438	440	440	439	438	440	438	436	422.4

EASTERLY DECLINATION. A.

HOURLY OBSERVATIONS. — 1° 40'. + THE NUMBERS IN THE TABLE,

Mean Batavia Time.		1 A.M.	2	3	4	5	6	7	8	9	10	11	12	—
N O V E M B E R.	1	12.5	12.5	12.1	11.4	12.1	12.5	11.6	11.1	10.6	11.4	11.7	12.5	—
	2	12.5	12.8	12.9	12.9	12.5	11.9	11.4	11.4	11.6	11.9	12.7	13.6	—
	3	12.5	12.5	12.7	12.5	12.4	11.6	10.4	10.0	10.5	11.6	13.3	14.8	—
	4	12.5	12.7	12.5	12.4	12.3	11.7	10.8	10.3	10.5	11.1	13.0	14.7	—
	5	12.4	12.8	12.5	12.4	12.1	11.3	10.4	10.1	10.0	10.3	11.9	13.5	—
	6	12.5	12.8	12.3	12.4	12.0	11.7	11.1	10.3	10.9	11.1	12.0	13.5	—
	7	12.5	12.7	12.8	12.5	11.9	10.7	10.4	11.2	12.2	13.0	13.6	13.8	—
	8	12.2	12.2	12.5	12.4	12.7	10.8	10.5	8.2	10.0	10.3	11.5	13.2	—
	9	12.5	12.7	12.9	12.7	12.5	11.7	10.5	9.6	9.7	10.6	12.3	13.7	—
	10	12.5	12.4	12.1	12.2	11.7	11.4	10.5	10.5	10.3	10.9	12.5	13.8	—
	11	12.1	12.0	11.6	12.2	12.2	11.1	10.0	8.9	8.6	9.5	11.1	13.3	—
	12	11.9	12.2	11.7	11.4	11.4	10.0	10.5	10.3	10.4	10.4	10.9	11.9	—
	13	12.2	12.3	12.5	12.4	11.6	10.4	9.6	9.1	9.3	10.7	11.7	13.0	—
	14	12.7	12.7	12.5	12.4	12.1	11.2	10.8	10.7	11.4	11.7	13.3	15.4	—
	15	12.8	12.4	12.2	12.3	12.2	11.6	10.8	10.0	10.5	10.8	11.9	13.5	—
	16	12.4	12.4	12.4	12.4	12.5	12.7	12.0	11.3	10.7	10.4	10.7	11.4	—
	17	12.4	12.4	12.7	12.7	12.5	12.4	11.7	11.5	11.3	11.2	11.7	12.8	—
	18	12.5	12.4	12.4	12.3	12.4	11.7	11.4	10.9	10.8	11.3	12.5	13.3	—
	19	10.8	11.4	10.5	11.3	10.8	10.3	9.3	10.0	10.4	11.5	13.3	14.8	—
	20	11.5	12.0	11.4	11.4	11.4	10.8	9.8	9.8	9.9	11.5	12.5	13.7	—
	21	11.5	11.6	11.4	11.3	10.8	10.0	9.3	9.2	9.8	11.4	13.0	14.1	—
	22	11.6	11.7	11.7	11.4	11.3	10.3	9.1	9.1	10.3	11.7	13.0	13.9	—
	23	11.9	12.0	11.7	11.4	11.2	10.0	9.2	9.2	9.6	11.4	12.9	14.3	—
	24	11.6	11.7	11.6	11.5	11.3	10.0	8.5	8.3	9.3	10.9	12.4	14.1	—
	25	11.7	11.9	11.6	11.4	10.9	9.9	8.7	8.1	8.3	9.2	11.1	12.5	—
	26	11.5	11.7	11.4	11.3	10.6	9.5	8.8	8.3	8.2	8.9	10.9	12.5	—
	27	11.6	11.7	12.0	11.7	11.7	11.7	10.9	9.9	9.5	9.7	10.0	10.7	—
	28	12.0	12.2	12.0	11.9	11.2	10.4	9.7	8.8	8.6	10.4	11.2	12.4	—
	29	11.4	11.1	10.9	10.6	10.6	10.5	9.9	10.0	9.6	9.9	10.1	10.1	—
	30	11.6	11.5	11.4	11.1	10.7	10.3	10.4	10.4	11.5	12.2	12.4	12.3	—
Hourly Means.		12.1	12.2	12.0	11.9	11.7	11.0	10.3	9.9	10.1	10.9	12.0	13.2	—
Mean Batavia Time.		1 P.M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
N O V E M B E R.	1	13.7	13.9	14.3	14.4	13.9	13.3	13.5	13.6	13.1	12.7	12.5	12.0	12.6
	2	13.9	14.0	13.8	13.3	13.2	12.9	12.9	12.9	12.5	12.3	12.5	12.3	12.7
	3	15.4	15.3	13.9	13.1	13.5	13.5	13.3	12.9	12.7	12.5	12.5	12.5	12.7
	4	15.3	15.2	14.5	13.8	13.7	12.9	13.0	12.7	12.7	12.5	12.5	12.4	12.7
	5	14.8	15.5	15.7	14.9	14.3	13.9	13.3	13.1	12.9	12.8	12.8	12.7	12.8
	6	14.1	14.0	13.8	13.7	13.5	12.8	12.7	12.7	12.7	12.5	12.5	12.4	12.5
	7	13.9	14.1	14.0	13.7	13.6	13.3	12.9	12.9	13.1	12.8	12.9	12.4	12.8
	8	14.3	15.1	15.1	14.8	14.1	13.0	13.5	12.8	12.7	12.5	12.5	12.7	12.5
	9	14.9	15.1	14.7	14.0	13.1	12.9	12.9	12.7	12.5	12.5	12.3	12.5	12.6
	10	14.8	15.2	15.7	16.0	15.1	13.8	13.9	13.6	12.7	12.5	12.5	11.9	12.9
	11	15.2	14.7	14.9	16.0	16.4	15.2	15.1	12.5	13.3	12.9	12.4	11.7	12.6
	12	13.7	14.6	14.5	14.6	13.9	13.2	12.9	12.7	12.5	12.4	12.3	12.2	12.2
	13	14.1	14.6	14.3	14.1	13.8	13.3	12.9	12.8	12.7	12.7	12.5	12.7	12.3
	14	15.9	16.0	16.1	14.9	13.9	13.0	13.1	13.1	13.1	12.4	12.8	12.4	13.1
	15	14.7	15.5	15.6	14.8	14.1	13.1	13.0	12.9	12.9	12.5	12.4	12.4	12.7
	16	12.7	13.8	13.8	13.9	14.0	13.1	12.9	12.9	12.7	12.5	12.5	12.4	12.4
	17	13.9	14.5	14.9	14.7	14.3	13.0	12.9	12.8	12.7	12.7	12.5	12.8	12.8
	18	11.6	12.4	12.5	12.5	12.1	11.4	11.5	11.5	10.9	11.1	11.4	10.5	11.8
	19	14.8	14.8	14.5	13.7	13.6	12.7	12.8	12.3	12.1	11.5	11.6	11.3	12.1
	20	13.9	13.8	13.9	13.7	12.9	12.1	12.3	12.1	12.0	11.6	11.6	11.6	12.0
	21	14.8	14.3	13.7	12.9	12.5	12.0	12.4	12.0	11.9	11.7	11.6	11.5	11.9
	22	14.9	14.1	13.7	13.0	12.7	12.0	12.2	12.0	12.0	11.9	11.9	11.9	12.0
	23	15.3	15.5	14.6	13.8	12.9	12.0	12.0	12.0	11.7	11.4	11.6	11.6	12.1
	24	14.8	14.4	13.8	13.5	12.8	11.9	12.1	11.6	11.7	11.5	11.7	11.9	11.8
	25	13.7	14.6	14.4	13.7	13.0	12.5	12.7	12.4	12.2	12.2	11.9	11.9	11.7
	26	11.1	15.2	15.5	15.3	13.2	12.7	12.7	12.3	11.9	11.7	11.5	11.4	11.7
	27	11.7	12.9	13.8	13.7	12.7	12.2	12.0	12.2	12.2	12.2	12.2	12.0	11.7
	28	13.8	14.6	14.6	13.8	13.1	12.5	12.7	11.9	12.1	11.7	11.6	11.6	11.9
	29	10.5	11.5	12.7	13.2	13.0	12.5	12.5	12.4	12.3	12.1	11.9	11.7	11.3
	30	12.2	12.0	12.0	11.9	12.1	12.2	12.4	12.4	12.2	11.6	12.3	11.1	11.7
Hourly Amount.		14.0	14.4	14.3	14.0	13.5	12.8	12.8	12.6	12.4	12.2	12.2	12.0	12.29

HORIZONTAL FORCE. A.

HOURLY OBSERVATIONS. — 0.36800 + THE NUMBERS IN THE TABLE.

Mean Batavia Time.		1 A.M.	2	3	4	5	6	7	8	9	10	11	12	—
NOVEMBER.	1	314	320	311	336	320	322	330	342	351	347	344	337	—
	2	306	313	317	319	320	327	334	341	350	354	354	350	—
	3	318	321	323	327	328	332	333	337	347	361	362	360	—
	4	333	332	334	337	337	333	339	347	352	362	368	366	—
	5	325	324	332	334	336	340	347	356	366	374	378	370	—
	6	331	325	326	327	328	333	346	353	358	371	365	356	—
	7	315	315	319	325	334	343	353	362	370	377	370	365	—
	8	316	319	324	315	322	318	325	352	353	344	323	314	—
	9	310	309	314	314	315	319	322	328	342	352	357	355	—
	10	315	314	319	322	318	318	321	323	332	338	335	337	—
	11	280	279	309	295	304	304	311	335	349	361	361	336	—
	12	290	286	284	287	292	307	312	321	327	328	332	321	—
	13	301	300	300	305	309	313	318	337	351	349	348	348	—
	14	312	314	316	315	315	315	323	328	339	348	346	346	—
	15	312	313	318	319	320	331	337	343	355	364	378	371	—
	16	322	324	326	328	329	327	326	329	333	342	350	350	—
	17	324	322	323	321	329	329	336	343	346	352	355	357	—
	18	322	327	328	325	325	332	337	346	352	353	356	357	—
	19	292	298	295	277	274	279	289	298	311	315	308	311	—
	20	294	295	297	300	316	307	317	319	319	327	326	331	—
	21	327	317	317	317	321	318	323	336	349	350	346	338	—
	22	308	314	320	322	318	322	327	328	334	338	346	342	—
	23	318	312	312	313	315	320	327	336	350	357	354	341	—
	24	314	315	318	321	324	327	335	342	351	357	358	352	—
	25	311	314	317	319	322	323	330	338	349	358	355	349	—
	26	318	309	314	316	322	323	327	332	341	347	344	343	—
	27	314	319	321	318	320	324	327	334	338	341	342	343	—
	28	318	319	319	324	327	335	341	351	352	347	361	364	—
	29	324	324	325	327	331	333	336	339	346	350	355	359	—
	30	334	336	333	334	338	342	347	363	373	375	377	377	—
Hourly Means.		314	314	317	318	320	323	329	338	346	351	352	348	—
Mean Batavia Time.		1 P.M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
NOVEMBER.	1	336	332	325	324	324	321	309	305	290	307	282	291	322
	2	341	327	319	314	316	320	317	316	318	323	311	314	326
	3	344	331	327	318	318	318	313	316	323	326	327	329	331
	4	356	351	341	332	330	320	317	323	327	323	318	324	338
	5	372	357	346	338	335	329	322	328	328	326	325	328	342
	6	347	334	335	335	333	326	325	327	328	327	326	325	337
	7	352	343	338	336	347	350	347	338	321	299	308	305	339
	8	303	298	291	291	271	292	300	300	303	308	305	307	312
	9	351	342	337	327	320	319	318	318	321	314	307	308	326
	10	328	323	306	280	269	269	263	260	286	258	281	280	304
	11	314	330	323	318	271	237	229	254	252	217	245	281	296
	12	321	308	311	287	281	278	282	291	294	297	298	295	301
	13	344	334	332	321	307	303	302	309	314	314	312	309	320
	14	345	339	328	324	322	325	328	320	311	316	315	316	325
	15	359	355	346	338	331	326	324	322	321	322	322	323	335
	16	348	349	345	340	338	337	334	333	333	332	327	327	335
	17	348	343	335	331	331	322	322	323	323	323	324	323	333
	18	348	341	331	332	334	326	287	256	282	297	263	280	322
	19	293	295	291	299	297	298	294	299	293	295	289	300	295
	20	319	319	312	306	304	308	301	301	304	302	303	301	310
	21	327	327	324	316	316	313	309	313	317	314	314	312	323
	22	332	327	320	314	312	306	302	317	311	306	303	315	320
	23	334	326	320	312	316	313	316	313	315	316	315	313	324
	24	346	343	337	327	318	321	319	321	322	323	318	313	330
	25	343	331	323	317	308	305	297	291	295	305	309	306	321
	26	334	327	319	308	309	311	306	300	294	293	302	312	319
	27	345	337	329	320	313	316	316	315	313	310	310	315	324
	28	352	344	335	333	329	322	310	319	323	323	323	324	333
	29	356	353	351	347	342	334	332	333	332	331	329	333	338
	30	371	354	347	339	346	351	342	340	344	323	319	319	347
Hourly Means.		340	334	327	321	316	314	309	310	311	309	308	311	324.3

VERTICAL FORCE. A.

HOURLY OBSERVATIONS. — 0.19500 + THE NUMBERS IN THE TABLE.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
NOVEMBER.	1	398	396	404	387	396	399	400	389	373	368	363	374	—
	2	396	389	389	388	386	392	393	384	372	357	343	354	—
	3	403	480	398	397	481	406	403	389	374	341	325	328	—
	4	396	398	397	396	399	408	409	393	384	367	391	385	—
	5	430	430	425	426	429	435	436	435	413	389	380	381	—
	6	412	415	418	417	416	418	413	410	410	397	392	382	—
	7	420	419	416	410	405	405	398	387	377	372	368	377	—
	8	426	416	412	420	417	427	422	410	419	411	412	419	—
	9	439	440	436	437	440	441	440	436	425	405	387	382	—
	10	447	444	441	437	442	446	443	430	424	410	405	399	—
	11	456	455	433	442	436	447	454	448	441	429	414	423	—
	12	442	450	450	450	449	442	440	422	413	405	388	393	—
	13	440	436	435	430	429	441	435	417	398	382	380	376	—
	14	429	430	426	429	431	434	429	425	409	389	373	368	—
	15	450	448	445	442	442	442	441	435	426	417	399	392	—
	16	442	440	439	437	436	441	448	447	446	441	432	425	—
	17	443	443	441	441	435	436	437	436	434	422	417	411	—
	18	450	447	447	448	448	448	448	461	455	447	435	424	—
	19	455	453	452	472	471	472	461	455	432	426	438	436	—
	20	469	469	465	462	452	465	455	436	425	404	398	396	—
	21	443	449	449	449	448	458	457	456	429	411	407	404	—
	22	448	442	435	435	438	444	439	419	399	380	380	392	—
	23	432	435	435	433	434	427	436	431	419	404	399	405	—
	24	429	426	425	424	423	430	433	422	404	395	379	378	—
	25	434	429	426	424	423	429	424	432	417	398	385	383	—
	26	441	445	441	440	436	441	432	424	412	397	388	386	—
	27	443	441	441	442	442	440	446	449	452	441	435	423	—
	28	441	440	439	437	435	437	440	425	409	398	379	368	—
	29	432	432	431	429	426	425	426	443	436	422	418	409	—
	30	447	447	448	447	444	441	430	414	411	419	428	432	—
Hourly Means.		434	436	431	431	433	434	432	425	415	401	395	394	—
Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
NOVEMBER.	1	373	380	383	384	386	395	403	411	417	410	414	411	392
	2	372	383	395	401	403	403	408	409	407	403	412	409	390
	3	362	390	403	414	409	405	413	410	404	481	480	397	404
	4	389	398	412	424	427	437	442	437	434	434	437	430	409
	5	387	388	399	410	416	420	426	420	420	420	420	417	415
	6	384	383	388	392	399	410	415	413	412	417	417	415	406
	7	388	392	393	403	399	404	411	420	431	447	435	435	405
	8	435	434	437	442	455	446	441	444	443	442	446	443	430
	9	387	404	423	440	450	447	448	448	448	452	460	453	432
	10	400	414	426	450	465	469	469	465	456	471	452	459	440
	11	409	399	407	415	457	498	502	485	478	500	482	456	449
	12	397	405	420	436	447	447	443	441	437	437	440	441	431
	13	387	405	412	423	436	437	436	431	429	427	429	434	420
	14	392	409	429	447	453	446	442	447	453	449	448	447	426
	15	392	399	407	418	430	442	443	447	447	447	446	443	431
	16	412	404	412	417	433	440	441	441	441	442	445	442	435
	17	415	421	429	441	448	457	455	452	451	450	451	448	438
	18	405	408	423	434	436	447	478	503	474	458	477	467	449
	19	453	417	448	452	460	466	472	467	472	471	472	466	457
	20	405	411	418	430	443	448	458	460	455	459	455	455	441
	21	420	429	435	441	448	451	453	448	446	446	446	444	440
	22	413	423	424	432	435	441	441	432	440	442	446	435	427
	23	413	426	430	435	436	438	435	436	434	434	433	432	428
	24	386	395	402	415	429	429	427	428	428	428	432	434	417
	25	389	401	417	428	442	448	454	460	456	449	444	446	427
	26	392	403	412	431	443	442	449	454	460	460	453	446	430
	27	407	410	418	434	445	447	444	443	444	447	447	442	438
	28	375	392	412	425	431	437	442	440	434	434	434	431	422
	29	407	405	407	419	434	447	446	448	449	449	448	448	431
	30	431	437	434	426	432	447	448	446	446	446	446	445	437
Hourly Means.		399	407	415	425	434	440	443	443	442	445	445	439	426.6

EASTERLY DECLINATION. A.

HOURLY OBSERVATIONS. — 1° 40' + THE NUMBERS IN THE TABLE.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
D E C E M B E R.	1	11.4	11.3	11.5	10.6	10.5	10.0	9.5	10.7	11.4	12.0	11.9	11.6	—
	2	11.5	11.5	11.4	11.2	10.7	9.3	9.3	10.0	10.4	11.1	10.9	11.5	—
	3	11.4	11.4	11.2	11.1	11.2	10.8	10.6	10.0	10.4	12.2	13.0	13.2	—
	4	11.7	11.7	11.5	11.2	11.1	11.2	10.4	11.1	11.7	12.1	12.4	12.8	—
	5	11.9	12.0	11.7	11.7	11.7	11.4	11.1	11.3	11.2	10.9	11.4	12.0	—
	6	11.7	11.6	11.3	11.2	10.7	9.9	9.3	9.1	9.1	9.8	10.6	12.2	—
	7	10.4	10.4	10.4	10.5	10.9	11.1	9.3	9.8	9.5	11.4	12.9	14.8	—
	8	10.3	10.6	11.4	10.9	10.6	9.6	10.0	9.9	10.1	11.2	11.5	12.7	—
	9	10.6	11.3	11.5	11.4	11.3	9.9	9.3	9.2	10.0	11.6	12.5	14.0	—
	10	11.5	11.6	11.4	11.4	11.2	10.7	10.0	8.8	9.0	9.8	11.2	12.7	—
	11	11.6	11.7	11.7	11.6	11.4	10.6	9.5	8.8	8.2	8.5	9.1	10.9	—
	12	12.0	11.7	12.1	11.9	11.5	10.6	10.1	9.1	9.5	10.0	10.6	12.3	—
	13	11.7	11.7	11.5	11.3	11.2	10.6	10.5	10.8	11.9	12.3	12.8	13.7	—
	14	11.7	11.5	11.4	11.3	11.1	9.9	9.1	8.8	9.1	9.8	10.4	11.6	—
	15	11.4	11.2	11.2	10.9	10.9	10.3	9.6	9.6	10.1	10.4	11.2	12.2	—
	16	11.4	11.2	11.2	11.1	10.9	10.5	10.3	10.1	10.3	10.3	10.6	10.6	—
	17	11.1	11.1	10.8	10.6	10.5	10.0	9.8	11.2	12.3	12.7	13.3	13.6	—
	18	11.4	11.4	10.8	11.1	10.7	10.5	10.8	10.9	12.3	13.6	13.7	13.5	—
	19	11.3	11.2	11.1	10.5	10.6	9.5	9.1	9.5	10.4	11.3	12.5	13.0	—
	20	11.4	11.4	11.4	11.5	11.2	10.4	9.9	9.6	10.0	11.4	12.1	12.3	—
	21	10.9	11.1	10.9	10.6	10.9	9.9	9.9	10.3	11.7	12.5	13.9	15.1	—
	22	11.2	10.9	10.7	10.5	10.4	9.7	8.7	8.5	9.0	10.3	10.9	12.5	—
	23	10.9	10.8	10.9	10.7	10.8	9.8	9.1	9.1	10.1	11.1	11.9	12.9	—
	24	11.4	11.4	11.4	11.2	11.2	10.5	8.8	7.8	7.4	9.5	11.6	12.5	—
	25	11.4	11.4	11.4	11.1	10.9	9.9	9.6	10.3	10.4	10.0	11.5	13.3	—
	26	11.5	11.5	11.4	10.8	10.6	10.4	9.1	8.3	8.2	8.1	8.5	10.9	—
	27	11.4	11.2	11.1	10.8	10.5	9.1	7.8	8.2	8.9	9.7	10.4	11.7	—
	28	11.6	11.5	11.5	11.4	11.2	10.3	9.2	9.1	9.2	9.1	8.9	9.7	—
	29	10.8	10.6	10.9	10.6	10.5	9.5	9.1	10.0	10.6	10.5	12.3	12.2	—
	30	11.2	11.5	11.5	11.4	11.1	10.3	9.1	9.1	9.2	9.2	8.8	9.8	—
	31	11.2	11.2	10.1	10.1	9.9	10.3	9.2	8.9	9.6	10.1	10.4	11.6	—
Hourly Means.		11.3	11.3	11.2	11.0	10.9	10.2	9.6	9.6	10.0	10.7	11.4	12.4	—
Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
D E C E M B E R.	1	11.4	11.4	11.7	12.5	12.5	12.0	11.6	11.7	11.5	11.5	11.5	11.4	11.4
	2	12.5	13.0	12.9	12.8	12.5	12.1	12.0	11.5	11.3	11.4	11.1	11.3	11.4
	3	13.3	13.3	13.0	12.5	12.5	12.1	12.2	12.0	11.7	11.6	11.7	11.7	11.8
	4	13.5	13.0	12.8	12.7	12.5	12.5	12.5	12.5	12.3	11.7	11.9	11.9	12.0
	5	12.7	12.8	12.8	12.7	12.4	11.9	12.2	12.1	12.0	11.9	11.7	11.6	11.9
	6	13.7	14.7	14.4	13.7	12.1	11.7	11.7	11.7	11.6	10.6	10.6	10.0	11.4
	7	14.0	14.0	13.6	12.8	12.5	12.9	11.7	11.7	11.4	10.9	11.4	10.6	11.6
	8	13.2	13.3	13.5	12.8	13.2	11.7	11.7	11.4	11.4	10.6	10.8	10.1	11.4
	9	14.5	14.4	14.4	13.0	12.7	12.3	11.5	11.9	11.5	11.2	11.4	11.4	11.8
	10	13.8	14.0	14.0	13.5	12.9	12.4	12.1	12.0	11.7	11.5	11.5	11.6	11.7
	11	13.0	13.7	14.0	13.3	12.5	12.0	11.7	11.7	11.9	12.1	12.1	12.1	11.4
	12	12.8	13.3	13.2	12.9	12.3	11.7	11.9	11.7	11.9	11.7	11.7	11.6	11.6
	13	15.1	15.7	15.3	14.1	13.2	12.5	12.7	12.5	12.5	12.3	11.7	11.7	12.5
	14	12.9	14.0	14.1	14.0	13.7	12.5	12.4	12.5	12.4	11.7	11.7	11.4	11.6
	15	13.3	13.3	13.2	13.0	12.5	12.4	12.3	12.0	11.7	11.4	11.4	11.4	11.5
	16	10.9	11.5	12.8	13.0	12.9	12.5	12.3	11.9	11.5	11.4	11.2	10.9	11.3
	17	13.6	13.3	13.6	13.1	12.4	12.3	12.0	11.9	11.9	11.6	11.5	11.4	11.9
	18	13.0	13.1	13.1	12.8	12.3	11.7	11.7	11.9	11.7	11.4	11.5	11.3	11.9
	19	12.9	13.0	12.8	13.1	13.1	12.4	12.3	12.1	12.2	11.7	11.6	11.2	11.6
	20	12.7	12.5	12.5	12.1	12.2	12.3	11.7	11.6	11.5	11.5	11.4	11.4	11.5
	21	15.1	13.7	12.8	11.7	11.5	11.2	11.2	11.3	11.4	11.5	11.4	11.4	11.7
	22	12.9	13.2	13.5	12.7	12.2	12.0	12.1	11.7	11.5	11.5	11.5	11.5	11.2
	23	13.9	14.5	14.6	13.7	12.7	12.1	12.1	12.1	12.1	11.3	11.5	11.4	11.7
	24	13.6	13.7	12.7	11.4	11.2	11.5	11.7	11.6	11.5	11.4	11.4	11.2	11.2
	25	14.5	14.6	14.6	13.5	12.4	11.6	11.6	11.9	11.7	11.7	11.5	11.4	11.8
	26	13.9	14.4	13.7	13.0	12.2	11.2	11.4	11.3	11.7	11.5	11.4	11.4	11.1
	27	13.3	13.8	14.3	13.8	12.5	11.9	11.9	12.0	11.7	11.5	11.6	11.4	11.3
	28	11.6	12.5	13.3	13.5	13.0	11.9	11.9	12.3	11.9	11.6	11.1	11.4	11.2
	29	13.1	13.2	13.5	12.9	12.2	11.7	11.7	11.6	11.6	11.4	11.5	11.2	11.4
	30	10.8	12.1	13.5	13.7	13.2	12.7	12.4	11.7	11.6	11.5	11.4	11.3	11.2
	31	13.1	13.0	12.9	12.9	12.3	11.6	12.0	11.9	12.0	11.7	11.7	11.5	11.2
Hourly Means.		13.2	13.4	13.5	13.0	12.5	12.0	11.9	11.9	11.8	11.5	11.5	11.3	11.55

HORIZONTAL FORCE. A.

HOURLY OBSERVATIONS. — 0.36800 + THE NUMBERS IN THE TABLE.

Mean Batavia Time.		1 A.M.	2	3	4	5	6	7	8	9	10	11	12	—
D E C E M B E R.	1	355	358	365	370	350	363	352	379	384	380	383	383	—
	2	359	360	360	359	362	372	382	362	364	363	369	360	—
	3	339	343	346	348	351	356	358	351	348	338	340	340	—
	4	338	342	349	349	346	342	356	365	370	376	377	373	—
	5	344	341	345	346	346	348	355	356	364	371	377	372	—
	6	355	356	364	365	372	375	382	384	396	407	403	388	—
	7	323	316	315	309	325	327	345	341	346	337	325	332	—
	8	324	318	333	334	335	337	338	338	336	346	355	354	—
	9	335	319	323	329	332	333	337	344	352	360	373	358	—
	10	333	341	333	335	332	336	341	346	356	366	365	356	—
	11	333	332	334	335	337	341	346	352	357	367	378	374	—
	12	339	338	341	340	342	345	352	363	370	380	384	376	—
	13	340	340	341	344	344	346	356	366	375	398	411	406	—
	14	340	341	339	341	344	351	360	366	385	398	407	404	—
	15	332	333	346	345	341	343	350	351	352	359	361	364	—
	16	342	346	346	345	346	351	351	354	356	360	372	373	—
	17	330	336	336	339	341	345	354	351	351	362	370	373	—
	18	340	337	340	338	340	346	355	366	370	370	370	367	—
	19	332	334	343	346	342	346	350	356	356	357	356	357	—
	20	333	331	333	336	341	346	351	356	359	365	369	370	—
	21	336	337	345	341	343	356	361	371	376	389	384	383	—
	22	351	359	363	357	355	356	360	361	377	377	380	381	—
	23	351	346	346	343	346	346	355	365	375	381	387	385	—
	24	344	346	347	347	356	355	355	362	378	391	397	392	—
	25	351	354	354	356	356	362	365	372	390	408	408	409	—
	26	352	351	355	358	361	361	370	374	392	405	405	407	—
	27	356	354	352	351	355	361	373	378	385	400	398	397	—
	28	356	356	357	358	362	370	379	384	391	400	404	407	—
	29	339	337	341	351	347	351	356	351	356	364	355	360	—
	30	345	343	344	353	351	356	365	366	386	388	389	384	—
	31	363	362	382	369	353	356	356	355	364	377	384	391	—
Hourly Means.		342	342	346	346	347	351	357	361	368	375	379	377	—
Mean Batavia Time.		1 P.M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
D E C E M B E R.	1	380	376	372	370	366	361	361	361	361	360	356	357	367
	2	352	351	350	343	347	347	340	337	328	331	332	335	353
	3	343	345	338	334	335	332	333	331	332	334	336	337	341
	4	364	357	353	350	346	342	340	339	338	342	342	342	352
	5	369	364	360	354	350	346	349	349	348	347	349	356	354
	6	384	365	343	315	341	346	350	341	329	320	305	305	358
	7	328	326	314	328	342	321	336	323	304	321	315	344	327
	8	347	331	317	319	304	318	317	327	320	326	321	334	330
	9	354	349	333	333	323	318	324	325	321	333	326	323	336
	10	350	342	332	332	323	331	333	334	334	334	332	333	340
	11	370	351	339	332	329	330	333	334	336	337	338	336	344
	12	364	353	345	341	340	341	342	342	341	340	340	340	350
	13	396	369	364	356	349	337	336	339	337	342	345	341	357
	14	392	375	358	351	349	341	343	345	342	343	344	332	358
	15	369	354	342	339	341	336	337	342	341	340	340	345	346
	16	369	359	347	343	337	335	336	338	336	332	337	333	348
	17	368	369	359	343	346	349	346	348	338	319	324	334	347
	18	364	358	352	344	327	322	317	331	328	335	327	327	345
	19	356	356	351	345	336	333	337	340	330	326	322	344	344
	20	360	356	341	332	332	332	335	331	331	329	327	328	343
	21	373	363	351	344	343	339	334	342	344	345	341	344	354
	22	372	364	350	347	346	350	350	346	346	339	331	337	356
	23	379	374	363	354	351	346	339	328	325	337	341	343	354
	24	379	369	358	356	353	351	356	356	353	353	350	352	361
	25	402	395	381	371	365	363	367	374	373	370	367	357	374
	26	394	383	365	356	355	360	361	361	350	355	356	355	368
	27	389	383	366	360	360	356	355	354	356	354	353	355	367
	28	403	390	390	375	376	374	370	338	323	328	332	340	369
	29	357	355	355	350	341	333	335	332	336	339	338	339	347
	30	380	381	380	366	364	364	359	357	357	364	363	365	365
	31	393	396	391	378	375	370	365	365	369	366	366	367	371
Hourly Means.		371	363	354	347	345	343	343	342	339	340	339	341	352.5

VERTICAL FORCE. A.
HOURLY OBSERVATIONS. — 0.19500 + THE NUMBERS IN THE TABLE.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
D E C E M B E R.	1	444	444	443	444	442	438	420	399	389	386	397	412	—
	2	450	445	441	439	455	450	457	473	462	461	448	442	—
	3	462	461	460	460	462	471	474	455	442	435	433	428	—
	4	448	447	447	446	444	442	443	453	449	447	447	448	—
	5	468	468	467	465	465	466	465	456	450	449	435	429	—
	6	466	466	461	461	458	466	467	464	452	437	419	415	—
	7	474	479	479	477	465	466	460	467	456	447	452	446	—
	8	479	485	472	471	472	476	478	469	460	448	435	441	—
	9	465	474	466	463	464	469	466	447	430	413	410	422	—
	10	466	464	466	467	469	471	477	488	470	450	442	447	—
	11	482	481	480	478	478	481	487	478	472	460	443	424	—
	12	469	469	466	465	465	469	465	442	439	431	427	422	—
	13	456	456	454	452	451	450	446	427	418	410	403	403	—
	14	454	453	454	452	450	449	443	425	405	391	382	381	—
	15	455	452	442	444	443	446	440	438	425	411	405	399	—
	16	435	434	434	432	433	429	425	428	428	424	429	427	—
	17	453	448	448	447	444	442	434	446	438	433	429	429	—
	18	462	465	466	463	461	459	455	448	431	430	434	450	—
	19	468	465	461	458	460	467	455	436	435	430	426	427	—
	20	456	460	458	456	454	456	447	447	435	428	431	435	—
	21	456	452	445	446	447	451	441	418	409	410	410	420	—
	22	438	430	428	432	436	440	428	406	391	385	385	387	—
	23	424	428	426	428	426	429	421	405	395	391	391	386	—
	24	430	428	428	427	423	433	436	447	432	398	386	396	—
	25	441	438	435	433	431	431	428	440	442	423	392	388	—
	26	461	457	453	448	443	446	445	387	376	364	344	329	—
	27	404	402	400	399	397	404	387	361	345	334	325	322	—
	28	386	386	385	382	381	380	376	370	370	360	349	324	—
	29	401	401	398	391	394	397	393	393	386	375	356	334	—
	30	400	399	400	397	397	398	394	388	387	390	381	374	—
	31	400	401	392	403	410	410	406	394	381	366	346	325	—
Hourly Means.		447	446	444	443	443	445	441	432	423	413	406	404	—
Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
D E C E M B E R.	1	424	446	456	453	444	436	444	447	446	458	458	460	435
	2	440	447	456	465	467	472	467	468	467	466	465	462	457
	3	430	433	437	445	443	447	454	460	466	460	456	454	451
	4	455	467	470	468	471	473	476	476	476	473	473	471	459
	5	417	426	443	454	469	475	472	472	472	472	471	466	458
	6	427	446	468	492	478	468	466	471	477	488	499	493	463
	7	452	460	479	473	462	475	477	487	503	486	492	472	470
	8	448	463	473	474	482	476	477	470	477	476	475	469	469
	9	437	450	453	458	471	479	476	476	478	472	475	473	458
	10	455	467	480	486	492	484	482	483	483	483	484	481	472
	11	422	441	455	468	477	477	473	471	471	469	469	471	467
	12	430	447	457	460	463	461	460	458	458	459	458	456	454
	13	405	426	442	452	466	468	462	456	454	452	453	453	442
	14	386	404	425	432	443	452	451	448	449	453	452	455	433
	15	404	422	439	438	441	440	440	435	436	436	436	434	433
	16	425	427	430	437	448	453	452	450	449	453	449	451	437
	17	429	430	449	467	469	463	460	461	466	479	479	467	450
	18	452	466	472	479	487	487	485	473	472	467	471	472	463
	19	429	436	442	451	461	467	465	461	467	469	471	454	453
	20	446	455	466	466	466	466	466	465	467	466	467	461	455
	21	430	441	453	459	454	459	459	453	449	445	447	447	442
	22	399	403	412	419	424	426	429	430	432	437	443	435	420
	23	391	397	404	417	429	434	438	447	449	441	435	432	419
	24	411	425	444	448	446	441	438	440	442	442	447	442	430
	25	406	417	435	448	455	453	447	441	444	446	450	456	434
	26	331	358	381	401	407	401	397	395	405	403	404	404	402
	27	335	348	361	376	386	388	386	383	383	388	388	387	375
	28	309	322	333	374	385	391	391	413	419	412	406	399	375
	29	333	344	363	387	400	407	406	406	404	399	401	402	386
	30	368	361	370	387	397	400	403	404	404	399	400	398	392
	31	331	344	363	387	394	398	398	398	397	398	398	398	385
Hourly Means.		408	420	433	443	448	449	448	448	450	450	451	448	436.3

EASTERLY DECLINATION. D.
DEVIATIONS. — UNITY = 0°.1.

Mean Batavia Time.	1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—	
J A N U A R Y.	1	— 1	1	2	0	0	— 9	—10	— 1	7	11	0	4	—
	2	— 2	— 3	— 7	— 8	—14	—16	— 9	11	21	19	5	6	—
	3	— 6	— 4	— 8	— 7	— 9	—18	— 4	7	20	13	7	2	—
	4	— 3	— 4	— 4	— 6	— 8	—11	0	11	7	4	8	27	—
	5	0	0	1	— 3	— 4	—12	— 4	12	17	13	7	3	—
	6	— 4	— 5	— 6	— 6	— 7	— 9	0	7	4	1	— 7	0	—
	7	3	— 6	— 6	— 7	— 6	—10	— 4	— 6	11	9	6	5	—
	8	20	24	10	—11	—11	—12	—11	7	15	14	0	— 6	—
	9	7	8	5	— 1	—10	—15	—11	14	20	7	— 8	0	—
	10	— 1	— 1	—11	— 9	— 7	—11	— 2	12	10	3	— 2	— 1	—
	11	— 3	— 2	— 4	— 3	— 1	— 2	0	3	8	7	—12	—15	—
	12	—10	— 6	— 3	— 4	— 4	— 7	— 1	7	11	16	18	11	—
	13	1	— 3	— 3	— 6	—10	—12	— 3	3	14	19	8	— 2	—
	14	1	— 3	— 2	— 3	— 6	—10	— 9	— 1	9	9	5	1	—
	15	— 2	— 1	0	— 2	— 3	—10	— 6	1	8	5	— 1	1	—
	16	4	1	— 1	— 1	— 6	—17	—15	1	4	11	3	1	—
	17	— 4	— 3	— 2	— 2	— 5	— 5	— 1	3	6	10	20	12	—
	18	0	3	0	— 3	— 7	—14	—12	7	4	2	10	3	—
	19	— 1	— 1	— 1	— 3	— 4	— 1	— 2	— 5	— 1	11	11	13	—
	20	2	1	— 1	— 2	— 2	— 5	— 8	— 8	1	2	13	12	—
	21	2	2	5	4	0	— 2	— 9	—13	—10	9	15	14	—
	22	2	3	0	— 2	—10	—12	—10	5	8	17	10	7	—
	23	— 6	—22	1	— 5	—12	— 4	— 6	— 3	3	10	6	— 2	—
	24	— 2	— 4	— 1	— 5	— 2	1	2	3	5	1	— 6	— 2	—
	25	0	1	0	2	— 2	— 1	— 7	— 7	1	1	3	1	—
	26	— 2	— 2	— 3	— 3	— 3	— 5	— 5	0	13	23	13	3	—
	27	— 2	— 1	— 2	— 2	— 4	— 6	— 6	0	13	24	21	— 3	—
	28	0	0	—11	— 5	— 4	— 4	— 3	— 7	8	19	16	8	—
	29	0	— 1	— 3	— 6	— 6	—13	—15	0	30	45	28	8	—
	30	2	0	— 1	—10	— 7	— 8	—18	—11	1	17	10	— 2	—
	31	— 2	— 3	— 3	— 4	— 1	— 9	— 7	— 1	3	8	13	7	—
Hourly Amount.	95	119	107	135	175	271	200	177	293	360	292	182	—	

Mean Batavia Time.	1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily Amount	
J A N U A R Y.	1	3	— 4	—13	— 5	— 3	4	5	1	1	2	2	1	90
	2	16	19	13	0	— 5	5	—17	— 5	2	—12	—13	— 9	237
	3	0	0	— 9	0	3	2	2	4	4	2	3	— 1	135
	4	22	15	1	—10	—18	—12	—10	— 9	— 7	— 8	— 5	— 2	212
	5	1	6	13	8	0	— 1	— 1	1	0	— 3	— 1	— 1	112
	6	6	6	8	1	— 6	— 7	— 2	2	3	1	0	0	98
	7	— 1	— 2	— 6	— 2	— 1	— 1	— 2	— 2	0	2	8	14	120
	8	17	—13	—10	— 9	— 3	— 2	0	3	2	— 5	3	8	216
	9	— 4	— 8	— 4	1	2	1	3	1	1	3	1	0	135
	10	2	1	— 2	2	12	6	5	3	— 3	— 3	— 2	— 4	115
	11	— 3	0	8	14	10	3	— 1	1	— 2	— 2	— 9	— 5	118
	12	— 4	—13	—14	— 3	2	1	0	1	1	1	0	— 1	139
	13	—13	— 5	13	17	9	— 6	— 5	— 2	— 2	0	2	1	159
	14	— 2	— 3	— 1	9	4	2	0	1	1	0	— 1	— 1	84
	15	3	1	— 3	— 6	— 8	— 1	3	6	6	7	5	5	94
	16	— 7	— 9	1	5	9	6	3	2	3	4	0	— 1	115
	17	10	— 6	—19	—20	—15	— 4	2	4	4	4	5	1	167
	18	— 2	— 5	3	4	3	0	0	0	0	1	0	— 1	84
	19	6	0	— 4	— 8	—11	— 4	1	— 6	0	5	5	2	106
	20	9	12	7	1	— 5	— 6	— 3	— 2	— 2	— 2	— 3	1	110
	21	— 4	—14	—16	—13	— 2	0	4	5	4	6	4	0	157
	22	4	7	10	7	— 2	1	5	— 8	— 1	4	1	— 2	138
	23	— 6	0	2	0	2	3	1	6	2	—10	1	— 1	114
	24	2	5	1	0	2	2	1	2	1	1	0	— 1	52
	25	— 6	— 7	— 1	— 3	— 3	1	5	5	5	4	2	— 1	69
	26	— 6	— 7	—13	—12	— 6	2	3	3	2	2	— 2	— 2	135
	27	—16	— 8	— 7	0	6	6	2	1	4	3	1	— 1	139
	28	— 6	—11	—13	— 6	— 3	3	1	1	2	4	5	1	141
	29	— 2	—14	—23	—16	— 3	2	— 1	2	1	3	5	5	232
	30	3	11	7	2	7	— 1	2	0	1	— 4	— 3	— 2	130
	31	3	— 1	—10	— 8	— 5	5	5	5	4	0	0	3	110
Hourly Amount.	189	213	255	192	170	100	95	94	71	108	92	78	4063	

HORIZONTAL FORCE. D.

DEVIATIONS. -- UNITY = 0.00001 C.G.S.

Mean Batavia Time.		1 A.M.	2	3	4	5	6	7	8	9	10	11	12	—
JANUARY.	1	62	56	43	41	36	33	26	15	1	—16	—26	—41	—
	2	—	—	—	—	—	—	—	—	—	—	—	—	—
	3	—	—	—	—	—	—	—	—	—	—	—	—	—
	4	1	4	—4	—5	—1	—1	—3	—1	6	8	3	—2	—
	5	—2	4	5	5	2	1	3	1	—1	5	5	0	—
	6	4	1	—3	—4	—5	—4	—5	0	1	5	5	—1	—
	7	—5	—3	—2	2	1	0	4	3	—1	—4	1	9	—
	8	—3	4	—4	—3	—3	0	1	2	—2	—2	0	7	—
	9	15	8	—6	12	11	10	13	6	—2	—12	—12	—26	—
	10	29	9	1	—3	—8	—3	3	7	7	4	3	3	—
	11	3	4	—2	0	0	—1	3	2	1	—1	10	3	—
	12	9	3	—1	—2	—2	2	2	1	0	—1	—3	—1	—
	13	—3	1	—1	—2	1	4	9	8	3	—3	0	—2	—
	14	—3	0	—1	—1	3	1	—1	—4	—2	2	7	2	—
	15	3	1	—1	—2	—3	0	1	1	0	—3	1	—1	—
	16	0	0	2	7	11	15	16	10	8	3	—6	—8	—
	17	0	—1	—6	—1	—2	2	4	7	2	—2	—8	6	—
	18	2	—1	—7	—2	6	19	16	—6	0	2	—7	—7	—
	19	1	—2	3	0	—6	—9	8	6	3	2	12	—3	—
	20	—5	—4	—2	—2	2	4	6	6	7	10	4	—3	—
	21	3	1	—3	—3	—2	0	1	—1	4	15	12	—7	—
	22	3	—1	—4	—8	—4	6	16	1	11	—4	2	5	—
	23	—19	—18	—7	—15	—5	—11	—11	—8	—4	—6	—11	—11	—
	24	2	12	4	6	10	6	2	—2	0	6	10	0	—
	25	4	4	4	2	1	1	0	0	—1	2	4	2	—
	26	4	4	1	—1	—2	—2	4	7	5	10	12	—2	—
	27	—2	—2	—6	—6	—5	—2	1	4	3	9	11	5	—
	28	4	—6	—11	—8	—11	—4	—10	—8	—10	—10	—10	—9	—
	29	—13	—2	5	9	4	6	6	9	5	0	1	—3	—
	30	4	10	10	13	16	21	25	30	8	—4	—22	—15	—
	31	9	14	21	25	19	16	12	7	—6	—8	—7	—8	—
Hourly Amount.		217	180	170	190	182	184	212	163	104	159	215	192	—
Mean Batavia Time.		1 P.M.	2	3	4	5	6	7	8	9	10	11	12	Daily Amount.
JANUARY.	1	—40	—29	—17	—9	6	17	20	—	—	—	—	—	534
	2	—	—	—	—	—	—	—	—	—	—	—	—	—
	3	—	—	—	—	—	—	17	13	7	7	7	5	56
	4	0	3	5	2	—2	—4	—7	—5	—1	—3	0	0	71
	5	—10	—20	—18	—8	4	4	7	5	2	0	—1	—1	114
	6	0	—1	11	5	5	—6	—4	0	4	9	—2	9	94
	7	3	—7	—10	—4	1	0	2	—2	4	4	3	2	77
	8	6	—1	—2	—5	—8	—7	—7	3	7	6	4	1	88
	9	—24	—18	—21	—17	—11	—7	3	11	13	4	17	16	295
	10	—12	—13	—2	2	—8	—18	—2	—6	6	3	2	—1	155
	11	—5	—7	—3	—3	—3	—1	0	—4	0	0	11	—3	70
	12	2	7	6	5	5	0	—9	—12	—3	—10	—6	5	97
	13	7	8	—6	—2	—2	—3	1	—1	0	0	2	—1	70
	14	3	—4	—6	—7	0	3	1	2	—1	0	0	—2	56
	15	—4	0	—1	—4	—1	—1	1	2	—1	—1	—2	—9	45
	16	—8	—7	—11	—14	—22	—8	2	6	6	1	5	—2	178
	17	2	7	11	1	—8	—6	—1	—1	5	3	0	4	90
	18	—6	2	—2	—8	—4	—4	5	3	1	—2	0	4	116
	19	—10	—11	0	2	—1	—1	7	3	4	—1	—3	—5	103
	20	—13	—22	—18	—14	—9	—2	2	10	8	6	8	4	171
	21	—7	—9	—8	—8	—2	3	3	2	—1	—2	3	6	106
	22	9	18	4	—5	—2	—3	6	32	9	15	3	6	177
	23	—4	—1	—1	2	—4	—8	—3	—3	—7	5	—4	2	170
	24	—3	—6	—4	—7	—4	0	3	1	—2	—3	—5	0	98
	25	—5	—6	—4	—2	—7	—7	—6	—7	—2	—1	1	2	75
	26	—13	—12	—3	—2	—5	—5	—2	0	1	—1	—1	0	99
	27	3	10	12	13	6	10	7	3	—1	2	9	13	145
	28	—3	—3	4	7	9	14	15	8	—10	—20	—15	—5	214
	29	—3	—4	0	—3	—4	2	7	9	9	4	1	4	113
	30	—4	—19	—16	—13	—29	—36	—40	—33	—24	—9	—2	—1	401
	31	—4	—7	—9	—7	—3	1	3	—	—	—	—	—	186
Hourly Amount.		213	262	215	181	175	181	193	187	140	122	117	113	4267

VERTICAL FORCE. D.

DEVIATIONS. — UNITY = 0,00001 C. G. S.

Mean Batavia Time.	1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
J A N U A R Y.	1	—	—	—	—	—	—	—	—	—	—	—	—
	2	—	—	—	—	—	—	—	—	—	—	—	—
	3	—	—	—	—	—	—	—	—	—	—	—	—
	4	2	— 1	4	1	— 1	— 2	—13	—22	—13	0	— 7	—14
	5	— 4	— 7	— 4	— 3	— 1	1	—10	— 8	— 2	3	— 4	— 1
	6	2	2	3	2	0	— 1	—06	— 7	4	5	— 3	— 5
	7	— 1	— 2	— 1	— 4	— 3	— 1	—02	9	5	12	10	—16
	8	7	— 1	8	7	7	4	16	— 1	— 5	— 7	1	0
	9	— 9	— 2	8	— 7	— 7	— 4	1	4	3	11	2	— 8
	10	— 9	0	12	9	9	5	0	—11	2	2	4	1
	11	— 3	— 2	5	5	3	4	— 1	— 5	— 1	8	8	0
	12	— 5	— 4	— 3	— 6	— 5	— 7	— 4	— 3	4	13	12	11
	13	— 1	— 2	0	0	— 1	— 6	—15	3	6	6	9	6
	14	1	— 2	0	— 1	— 1	6	— 5	—11	—11	— 3	2	5
	15	0	1	0	1	1	1	— 9	—15	— 9	— 3	7	7
	16	— 1	0	3	1	1	6	—12	—16	— 9	— 6	— 2	— 1
	17	1	— 1	— 2	— 6	— 8	— 6	—13	—12	—10	—15	3	15
	18	— 3	2	6	4	— 1	— 6	— 6	—17	—13	—14	—10	7
	19	— 2	— 1	— 6	— 4	— 3	1	— 5	— 2	— 4	—11	— 2	8
	20	4	5	3	3	3	2	—13	—11	—17	—16	—15	6
	21	0	0	2	3	2	7	4	— 8	—19	—22	— 9	10
	22	— 3	1	1	2	1	— 5	—16	— 9	— 9	— 5	— 5	— 4
	23	17	16	8	10	4	9	9	—12	—18	—18	— 5	4
	24	— 5	— 5	— 3	— 1	— 2	— 2	2	3	5	7	3	— 8
	25	— 1	— 2	1	0	1	2	— 6	—13	—11	— 3	0	11
	26	1	0	2	6	4	3	— 3	—27	—34	—24	— 3	13
	27	— 2	— 1	2	2	0	— 1	— 6	—15	—20	—20	0	18
	28	0	5	7	6	9	6	2	— 6	— 9	— 9	6	14
	29	8	6	8	— 6	— 5	1	— 3	—15	—29	—11	8	13
	30	2	0	1	4	3	— 2	— 2	—15	—22	—19	10	11
	31	— 7	—11	—13	—11	— 2	5	— 1	—11	— 7	—10	—11	— 3

Hourly Amount.	101	82	116	115	88	106	185	291	301	283	161	220	—
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Mean Batavia Time.	1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily Amount	
J A N U A R Y.	1	—	—	—	—	—	—	—	—	—	—	—	—	
	2	—	—	—	—	—	—	—	—	—	—	—	—	
	3	—	—	—	—	—	—	—	—	—	—	—	—	
	4	— 5	22	33	29	16	8	5	1	— 3	— 2	— 5	— 4	213
	5	2	4	— 9	—10	— 9	— 3	2	1	2	3	3	3	99
	6	—10	— 5	3	16	19	15	3	— 4	— 7	— 9	— 4	— 5	140
	7	—23	—14	0	— 1	4	2	0	1	0	0	— 1	1	113
	8	0	2	2	2	2	0	0	— 7	— 3	— 4	— 3	— 2	91
	9	4	— 7	— 2	2	1	0	— 2	— 6	— 6	2	— 5	— 3	106
	10	7	8	5	— 8	0	9	— 1	0	— 3	— 1	— 1	2	109
	11	—11	—11	—19	—15	— 5	3	6	5	2	— 1	— 6	2	131
	12	7	3	— 1	— 9	— 9	— 1	8	7	— 1	— 1	2	— 3	129
	13	— 6	—12	— 5	0	5	14	9	5	3	2	0	1	117
	14	2	— 2	— 3	— 4	— 1	— 1	0	— 1	1	1	2	2	68
	15	11	12	12	14	9	0	— 3	— 3	— 2	— 1	1	4	126
	16	0	— 8	— 3	0	4	1	— 1	— 2	— 2	2	0	1	82
	17	22	26	27	21	9	— 1	— 4	— 5	— 4	— 3	— 1	— 1	216
	18	11	5	— 1	7	7	4	— 3	— 2	— 3	0	— 3	— 6	141
	19	31	23	10	3	6	— 3	—12	— 5	— 9	— 3	— 1	1	156
	20	11	17	13	14	11	1	— 3	— 8	— 4	— 4	— 3	— 1	188
	21	30	27	16	11	— 2	— 9	—10	— 8	— 5	— 4	— 3	— 5	216
	22	— 1	— 1	10	21	16	8	— 7	—18	—10	— 4	3	3	163
	23	14	10	8	0	3	— 1	— 4	— 1	— 1	— 6	— 2	6	186
	24	—10	— 5	— 1	— 2	— 3	— 2	— 3	0	2	2	5	1	82
	25	15	7	— 1	12	6	5	1	4	3	1	2	3	111
	26	22	14	12	3	1	— 2	0	— 3	— 1	1	1	3	183
	27	13	— 4	4	2	— 3	— 1	1	0	4	2	— 2	— 3	126
	28	10	8	— 4	—13	—14	—15	—10	— 5	4	9	7	6	181
	29	21	24	13	— 6	—15	—11	— 5	— 8	— 6	— 1	1	1	225
	30	1	9	14	16	19	21	19	23	11	3	— 1	— 2	230
	31	— 1	2	2	2	— 4	— 4	— 3	—	—	—	—	7	117

Hourly Amount.	301	292	233	243	203	145	125	133	102	72	68	82	4048
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EASTERLY DECLINATION. D.

DEVIATIONS. — UNITY = 0'.I.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
FEBRUARY.	1	— 2	0	0	2	3	4	1	— 4	9	21	29	20	—
	2	—16	—17	—18	—18	— 9	23	10	3	9	9	19	22	—
	3	5	8	10	12	15	15	5	— 3	—15	—26	—17	1	—
	4	6	9	9	9	10	10	0	— 6	—15	—19	—13	— 4	—
	5	— 1	4	9	9	11	17	8	— 1	—10	—17	—17	—20	—
	6	—12	— 7	—11	— 1	7	16	13	5	5	7	— 6	—21	—
	7	0	— 3	— 1	0	4	8	13	6	— 5	—12	—24	—25	—
	8	— 2	0	— 3	0	— 3	1	9	7	2	— 6	— 6	— 5	—
	9	— 3	— 1	0	0	— 3	2	2	— 3	— 9	3	8	8	—
	10	3	4	3	11	13	14	10	0	— 5	3	8	0	—
	11	10	12	12	15	15	11	3	— 5	—13	—16	—23	—13	—
	12	9	11	10	17	16	23	24	8	—14	—58	—34	—21	—
	13	— 7	— 1	— 5	7	22	26	23	7	0	—17	—12	— 8	—
	14	3	6	6	11	10	9	4	2	—19	—20	—20	—15	—
	15	14	16	13	12	13	9	7	1	—10	—19	—22	—21	—
	16	1	2	5	7	8	6	2	— 6	—11	—14	— 9	— 1	—
	17	— 3	0	4	5	7	11	6	— 1	—11	—18	—12	— 2	—
	18	— 5	— 1	1	4	7	11	11	1	—16	—25	—16	— 5	—
	19	— 4	— 1	— 4	0	2	11	14	— 5	—16	—15	— 1	7	—
	20	0	1	3	6	7	9	13	3	—10	—20	—20	—13	—
	21	— 4	— 3	0	2	4	7	3	— 2	— 5	— 7	—10	—12	—
	22	1	0	3	7	9	12	10	— 1	— 7	—16	—21	—16	—
	23	6	7	5	6	5	6	— 8	— 5	—10	—16	— 8	— 5	—
	24	— 2	— 2	— 3	— 3	1	3	6	0	— 1	— 1	— 4	— 8	—
	25	— 5	— 3	— 4	— 3	— 3	— 1	— 3	— 6	— 2	5	7	8	—
	26	— 1	— 3	— 3	— 4	— 2	1	6	4	— 2	1	0	2	—
	27	— 1	0	0	0	1	3	4	1	— 9	— 9	— 1	— 1	—
	28	— 5	— 3	0	0	— 5	— 5	— 4	— 5	— 7	3	2	1	—
Hourly Amount.		131	125	145	171	215	274	222	101	247	403	369	285	—
Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily Amount.
FEBRUARY.	1	13	10	1	—13	—24	—17	—14	—12	—14	—12	—11	—12	248
	2	12	7	— 2	— 5	— 3	— 7	— 5	0	0	— 1	1	— 3	219
	3	— 4	— 6	— 6	— 3	— 7	— 8	— 1	1	5	5	5	7	190
	4	2	0	5	3	3	0	— 1	1	— 3	— 3	— 2	— 1	134
	5	— 9	— 2	3	6	6	5	3	2	1	— 1	— 4	—10	176
	6	— 7	— 6	0	4	6	3	4	4	3	2	3	1	154
	7	—13	— 2	8	8	8	3	3	4	3	3	1	0	157
	8	0	1	2	7	13	11	1	5	0	0	1	—10	95
	9	7	4	4	4	2	— 2	— 6	— 9	—16	—11	—10	— 8	125
	10	0	— 6	— 7	—12	—12	— 6	7	— 9	—10	—11	2	6	162
	11	—10	— 5	— 3	0	1	— 1	— 5	1	1	6	7	8	196
	12	— 5	— 1	2	7	7	8	5	— 6	— 4	— 1	— 4	— 5	300
	13	6	6	5	1	— 3	— 2	— 2	— 1	5	1	3	— 3	173
	14	— 9	1	4	— 1	— 5	— 2	0	3	2	5	0	7	164
	15	— 6	1	4	3	— 1	0	— 5	— 1	— 1	0	0	— 2	181
	16	4	5	10	4	0	— 3	— 1	— 3	— 2	1	0	0	105
	17	13	15	8	— 1	5	6	— 3	0	— 5	— 2	— 4	— 6	148
	18	6	5	6	5	2	4	— 1	3	— 3	— 4	— 2	— 2	146
	19	8	13	11	5	— 2	— 2	— 2	— 4	— 5	— 4	— 3	— 1	140
	20	— 1	6	12	14	9	0	— 1	— 1	— 4	— 5	— 6	— 2	166
	21	— 2	5	9	11	8	0	— 2	0	— 1	1	0	1	99
	22	— 3	— 1	— 3	0	2	6	4	6	3	3	1	3	138
	23	—10	— 2	2	6	7	7	0	1	— 2	— 2	0	— 1	127
	24	0	4	7	6	5	5	6	— 1	0	— 1	— 2	— 4	75
	25	8	6	— 2	— 4	— 2	1	— 2	— 2	— 3	— 1	— 2	— 3	86
	26	5	5	— 1	2	4	— 2	— 1	0	0	1	1	0	51
	27	— 6	— 2	0	3	8	9	6	— 1	13	8	— 3	— 6	95
	28	1	0	— 4	— 3	— 2	3	3	2	0	— 1	— 3	1	63
Hourly Amount.		170	127	131	141	157	123	94	83	109	96	81	113	4113

HORIZONTAL FORCE. D.

DEVIATONS. — UNITY = 0.00001 C.G.S.

Mean Batavia Time.	1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
FEBRUARY.	1	—	—	—	—	—	—	—	—	—	—	—	—
	2	— 1	3	0	4	3	3	2	11	13	10	6	— 12
	3	5	1	— 3	— 3	— 3	— 2	0	— 1	5	9	8	— 3
	4	1	— 1	2	— 1	0	— 3	— 5	— 1	6	9	9	5
	5	1	— 1	— 6	6	— 2	— 3	— 3	— 8	— 7	— 7	— 1	10
	6	—	—	—	—	—	—	—	—	—	—	—	—
	7	—	—	—	—	—	—	—	—	—	—	—	—
	8	—	—	—	—	—	—	—	—	—	—	—	—
	9	— 14	— 7	— 8	— 8	— 4	0	— 5	— 6	— 3	6	4	— 1
	10	4	6	8	6	2	— 7	— 14	— 15	— 20	— 34	— 33	— 8
	11	— 14	— 6	6	11	11	6	5	— 2	— 8	— 6	6	7
	12	0	— 2	1	3	2	6	2	2	8	50	1	— 19
	13	18	— 6	19	0	— 20	— 6	— 19	— 13	— 17	— 31	— 13	15
	14	— 2	— 6	— 6	0	1	— 4	— 9	— 2	0	5	— 2	2
	15	0	— 5	— 4	— 4	— 4	— 5	— 9	— 7	— 7	— 8	3	10
	16	1	0	3	0	— 6	— 8	— 13	— 4	— 6	— 1	0	3
	17	4	— 3	— 6	— 9	— 10	— 12	— 5	— 8	— 9	— 3	0	4
	18	7	7	3	1	6	1	— 6	— 10	— 13	— 9	— 4	0
	19	— 6	— 1	19	1	4	— 3	— 6	— 4	— 3	9	8	2
	20	— 2	— 2	— 1	— 3	— 7	— 9	— 14	— 14	— 13	— 8	— 4	11
	21	1	— 2	— 5	— 6	— 6	— 5	— 6	— 6	— 6	— 9	— 8	6
	22	— 19	10	11	13	14	6	— 4	— 10	— 13	— 11	— 2	5
	23	1	0	10	0	1	— 1	— 5	— 5	— 8	— 6	— 10	5
	24	1	— 2	— 4	— 4	— 2	— 5	0	4	2	— 3	— 1	3
	25	— 1	— 3	3	5	— 3	— 7	— 11	— 9	— 8	— 2	3	5
	26	— 3	— 2	— 3	— 3	— 3	— 5	— 2	1	4	5	— 1	— 1
	27	1	4	1	4	6	3	10	14	9	2	— 7	— 8
	28	— 5	— 4	— 8	4	10	8	12	6	18	— 7	0	2
Hourly Amount.	112	84	140	99	130	118	167	163	206	250	134	147	—
Mean Batavia Time.	1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily Amount.
FEBRUARY.	1	—	—	—	—	—	—	—	—	—	2	— 1	3
	2	— 25	— 23	— 18	— 11	— 6	— 2	0	5	5	3	3	0
	3	— 1	— 2	1	1	0	— 5	— 3	— 6	— 2	8	7	8
	4	2	— 4	— 2	— 2	0	1	1	8	10	7	— 1	— 25
	5	14	9	5	6	2	5	11	—	—	—	—	—
	6	—	—	—	—	—	—	—	—	—	—	—	—
	7	—	—	—	—	—	—	—	—	—	—	—	—
	8	—	—	—	—	—	—	3	1	— 4	5	— 15	15
	9	0	— 3	3	8	6	0	5	2	17	6	4	3
	10	— 4	11	29	47	45	50	— 27	— 55	— 41	— 5	— 19	— 14
	11	7	— 1	— 2	2	8	7	4	1	6	— 2	— 3	0
	12	— 30	— 3	8	— 5	— 8	— 14	— 16	3	16	18	17	— 5
	13	17	4	9	14	3	5	9	— 3	— 13	— 16	— 9	11
	14	4	6	7	2	1	3	0	8	4	1	1	— 2
	15	12	8	7	5	4	0	0	0	— 1	— 4	2	3
	16	7	12	8	1	3	5	6	7	8	— 3	— 2	— 4
	17	8	9	1	4	15	4	— 14	— 12	3	6	0	5
	18	11	18	7	— 8	— 10	— 4	— 1	— 8	— 12	0	— 3	5
	19	— 1	— 5	1	7	12	0	— 3	2	2	0	3	— 3
	20	10	6	7	11	13	8	7	4	0	1	1	— 1
	21	18	24	14	9	10	10	9	11	8	0	— 18	— 30
	22	— 1	— 2	— 13	— 18	— 15	— 9	— 12	— 2	1	5	10	21
	23	11	10	2	2	— 2	— 1	0	— 1	— 4	— 4	0	— 2
	24	6	4	2	1	1	1	3	— 2	1	2	0	0
	25	10	5	7	4	3	1	1	1	0	— 2	— 3	— 6
	26	0	— 1	— 2	1	4	3	5	6	6	5	7	4
	27	— 1	— 3	— 10	— 2	— 2	9	13	— 15	— 43	— 52	— 33	— 14
	28	19	34	— 2	— 1	7	13	17	25	16	14	11	1
Hourly Amount.	219	207	167	172	180	160	170	187	220	169	174	183	3958

VERTICAL FORCE. D.

DEVIATIONS. — UNITY = 0.00001 C. G. S.

Mean Batavia Time.	1 A.M.	2	3	4	5	6	7	8	9	10	11	12	—
FEBRUARY.	1	—	—	—	—	—	—	—	—	—	—	—	—
	2	2	0	2	0	1	6	4	— 6	—19	— 21	—19	4
	3	2	2	3	2	3	— 2	4	7	5	— 24	—10	—
	4	— 1	1	1	3	1	3	7	9	4	— 6	—11	—
	5	5	4	11	11	8	9	18	— 3	— 1	11	7	— 9
	6	13	17	11	9	3	— 7	— 9	—19	—13	9	25	8
	7	6	1	4	7	0	— 3	6	4	— 2	14	14	— 2
	8	1	0	1	0	— 3	— 5	— 4	18	20	20	8	— 7
	9	7	2	2	0	— 1	— 2	5	12	4	— 8	—10	— 9
	10	— 4	— 5	— 1	0	4	5	11	18	25	28	26	5
	11	— 3	— 4	—15	—13	—12	— 6	3	13	18	7	— 5	— 9
	12	— 1	2	— 1	1	0	— 4	13	26	35	0	1	— 2
	13	— 3	5	—11	— 1	8	—10	12	34	30	26	— 3	—19
	14	— 3	— 2	— 1	— 4	— 6	— 2	— 2	— 4	0	2	9	— 1
	15	11	10	14	13	13	17	18	— 7	— 3	7	— 1	— 6
	16	—10	—11	— 9	— 9	— 6	— 5	7	27	25	13	9	2
	17	7	9	10	11	9	6	0	4	5	5	5	— 4
	18	— 2	— 2	1	3	— 1	0	9	10	18	16	— 1	—11
	19	0	— 2	—18	— 5	— 5	— 2	— 1	14	11	— 1	— 6	— 9
	20	5	6	5	5	5	9	10	15	18	18	5	—14
	21	4	3	2	0	— 2	— 7	0	5	1	0	—11	— 1
	22	12	— 7	—11	— 9	— 8	0	15	25	24	23	0	—15
	23	— 1	0	— 8	— 1	— 1	1	10	20	17	11	11	—11
	24	— 3	1	0	— 1	— 2	— 3	4	13	13	8	— 5	— 5
	25	— 2	— 1	— 5	— 4	1	5	8	13	7	6	— 6	— 6
	26	1	1	1	0	1	— 1	— 4	—14	— 5	— 8	— 2	4
	27	— 4	— 5	— 4	— 4	— 1	— 1	— 2	— 1	— 1	— 2	— 5	1
	28	—14	—16	—15	—21	—21	—19	—21	7	0	15	8	6

Hourly Amount.	127	119	167	137	126	140	207	348	324	281	232	191	—
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Mean Batavia time.	1 P.M.	2	3	4	5	6	7	8	9	10	11	12	Daily Amount	
FEBRUARY	1	—	—	—	—	—	—	—	—	—	—	—	—	
	2	20	11	9	3	3	4	1	— 1	0	0	— 2	— 1	139
	3	5	7	— 2	3	6	2	— 1	0	— 2	— 6	— 5	— 4	107
	4	— 8	— 1	—12	—12	— 2	1	— 3	— 3	— 2	2	6	23	124
	5	—17	—13	—12	—19	— 7	— 5	— 8	— 9	—10	— 9	— 1	5	212
	6	3	— 5	—10	— 5	— 2	1	— 2	— 4	— 3	0	— 2	0	180
	7	—13	—19	—20	—10	— 3	3	— 3	0	— 1	— 1	— 2	0	138
	8	—14	—12	— 8	— 9	— 7	1	3	2	7	0	14	— 2	166
	9	— 4	— 2	— 7	—10	—10	4	0	2	— 3	— 5	3	— 6	118
	10	0	—16	—30	—38	—28	—23	33	56	33	1	14	4	408
	11	— 9	— 6	—12	—16	—12	— 5	— 2	— 1	— 1	2	0	0	174
	12	0	— 9	—19	—21	—17	— 6	5	0	—13	—13	—11	7	207
	13	—17	4	3	— 2	— 1	0	— 5	2	8	10	3	—10	227
	14	—12	—15	— 6	1	— 1	5	3	1	3	7	5	9	104
	15	—13	—13	—19	— 9	— 2	2	0	— 3	— 3	4	— 6	— 9	203
	16	— 6	—21	—25	—16	— 6	— 6	— 5	— 3	— 2	8	6	7	244
	17	—19	—21	— 7	— 2	— 8	2	14	10	1	— 2	— 1	— 2	164
	18	—26	—23	— 9	3	2	3	1	5	10	4	2	— 1	163
	19	—10	— 5	0	— 1	0	4	2	— 1	— 2	2	0	3	104
	20	—20	—25	—20	—14	— 4	1	— 3	— 3	1	0	— 1	0	207
	21	— 4	— 3	— 5	1	0	0	— 3	— 6	— 7	— 3	6	19	93
	22	—16	—14	— 5	0	5	— 3	— 1	— 6	— 7	— 5	— 9	—15	235
	23	—15	— 7	— 3	0	1	1	— 2	— 3	— 1	— 1	— 2	— 3	131
	24	— 8	— 9	— 1	2	— 1	— 1	— 3	1	1	0	0	0	85
	25	— 8	— 2	3	4	3	0	3	— 1	2	3	3	5	101
	26	— 2	3	14	12	5	5	1	— 4	— 1	— 1	— 3	— 3	96
	27	2	2	3	— 3	— 9	—11	— 8	12	37	37	18	— 1	174
	28	— 3	0	16	14	2	— 9	— 9	—16	— 8	— 6	0	— 2	248

Hourly Amount.	274	268	280	230	147	108	124	155	169	132	125	141	4552
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EASTERLY DECLINATION. D.

DEVIATIONS — UNITY = 0'.1.

Mean Batavia Time.	1 A.M.	2	3	4	5	6	7	8	9	10	11	12	—	
MARCH.	1	1	— 4	1	— 7	— 10	— 5	— 2	— 3	8	0	10	12	—
	2	2	— 2	— 1	3	— 1	— 2	— 3	— 4	— 2	— 3	— 7	0	—
	3	4	3	5	5	1	0	— 1	— 4	— 1	1	— 3	— 7	—
	4	— 5	— 1	— 3	— 1	0	— 1	— 5	— 3	— 1	1	7	11	—
	5	0	2	0	2	0	— 1	— 9	— 2	1	0	1	2	—
	6	0	0	0	3	0	— 4	— 1	2	5	1	— 8	— 6	—
	7	1	— 2	— 2	— 1	— 1	— 1	5	11	5	— 5	— 16	— 15	—
	8	— 2	— 4	— 4	— 3	— 1	— 1	2	1	— 1	— 2	— 3	— 5	—
	9	— 3	— 2	— 2	— 3	— 3	— 4	— 4	— 4	4	8	5	7	—
	10	— 4	— 5	— 5	— 3	— 2	0	2	2	5	6	— 1	— 3	—
	11	— 4	— 1	— 2	— 2	— 3	— 2	1	6	3	— 2	— 5	— 6	—
	12	1	1	2	4	3	4	5	7	4	— 5	— 10	— 14	—
	13	— 2	— 1	2	5	7	2	— 4	— 3	2	— 2	— 10	— 12	—
	14	— 3	— 5	— 5	— 4	— 1	— 1	— 6	— 3	2	6	11	7	—
	15	1	— 3	— 8	— 1	1	— 1	— 2	13	6	— 6	— 7	— 11	—
	16	— 8	— 9	— 19	— 15	— 10	3	1	6	19	22	18	14	—
	17	4	— 1	— 4	— 5	— 8	— 13	— 12	— 4	9	11	15	9	—
	18	— 1	— 1	— 1	— 3	— 3	5	— 6	— 6	— 3	3	6	13	—
	19	1	— 1	0	0	0	1	— 1	— 1	0	— 3	— 3	— 2	—
	20	— 1	— 3	— 5	— 5	— 5	— 9	— 9	— 4	8	11	11	9	—
	21	— 5	1	2	5	4	9	— 3	2	1	— 4	— 3	— 3	—
	22	2	— 2	— 2	— 2	— 2	0	— 2	— 6	1	6	5	3	—
	23	— 1	0	— 2	0	1	1	— 3	— 1	— 3	— 7	— 7	— 8	—
	24	3	2	— 1	0	— 2	— 3	— 4	0	5	3	1	— 4	—
	25	1	— 2	— 1	— 3	— 2	— 1	— 2	— 9	— 2	2	7	5	—
	26	0	— 1	— 3	— 4	— 4	— 1	— 1	— 2	2	2	5	4	—
	27	— 3	— 2	— 2	— 2	— 1	1	— 1	5	7	2	— 3	— 8	—
	28	1	1	1	2	3	3	2	— 2	— 4	— 3	— 2	— 2	—
	29	2	2	3	3	3	4	3	2	— 2	— 12	— 14	— 8	—
	30	0	0	— 1	1	0	0	— 9	— 9	4	10	10	—	—
	31	0	— 1	— 1	— 1	— 2	— 5	— 5	— 1	— 3	5	6	11	—
Hourly Amount.	66	65	90	98	84	88	107	128	128	148	220	231	—	

Mean Batavia Time.	1 P.M.	2	3	4	5	6	7	8	9	10	11	12	Daily Amount.	
MARCH.	1	12	8	5	0	— 8	— 3	— 5	— 4	— 1	— 1	0	1	111
	2	— 1	1	0	1	— 7	— 4	0	1	3	1	4	4	57
	3	1	1	— 1	— 2	— 6	0	1	2	3	4	0	— 1	57
	4	10	5	2	— 15	— 8	— 4	0	3	2	0	0	— 1	89
	5	3	5	1	— 6	— 4	2	1	1	3	0	2	— 1	49
	6	— 2	7	5	0	— 1	1	— 1	1	4	5	3	0	60
	7	0	5	2	1	6	2	6	3	6	2	0	— 3	101
	8	1	0	— 1	1	2	5	1	2	4	2	2	3	53
	9	10	7	3	— 3	— 5	0	— 3	— 2	— 3	— 4	— 4	— 2	95
	10	— 2	7	8	5	3	0	— 1	1	— 1	— 3	— 2	— 3	74
	11	— 4	4	9	6	3	— 2	— 2	0	0	— 1	0	— 3	71
	12	— 12	— 3	0	2	5	5	4	8	5	5	4	— 3	116
	13	— 6	0	3	0	— 2	1	3	8	2	1	— 1	— 2	81
	14	6	2	3	— 1	— 5	— 2	— 2	— 1	1	2	2	— 2	83
	15	— 10	3	2	3	— 4	6	7	12	25	2	1	— 28	163
	16	3	4	— 3	— 8	— 9	— 4	— 1	1	1	0	1	3	182
	17	2	5	4	— 4	— 6	— 1	— 2	0	2	0	— 5	0	126
	18	11	2	— 4	— 6	7	0	— 1	— 1	— 2	— 2	— 1	— 2	90
	19	2	1	— 1	0	0	1	2	2	2	2	2	1	29
	20	11	11	6	4	— 3	— 9	— 8	— 6	— 7	— 3	— 7	— 3	158
	21	— 1	2	4	1	— 4	— 3	— 3	— 1	— 2	0	1	2	66
	22	5	6	8	9	1	— 3	0	— 3	— 2	0	0	0	70
	23	— 6	1	5	4	— 2	— 1	1	0	3	2	3	— 2	64
	24	— 4	— 4	4	5	3	3	2	2	— 1	— 1	0	0	57
	25	1	— 1	— 1	2	— 1	2	1	1	1	— 1	1	1	51
	26	0	6	4	1	— 2	0	0	— 1	— 3	— 3	— 2	— 1	52
	27	— 9	0	1	6	2	1	2	0	— 1	0	0	1	60
	28	— 1	2	— 2	— 2	6	3	3	0	0	1	2	3	51
	29	— 8	— 4	— 4	— 2	0	3	2	5	4	3	1	1	95
	30	5	— 3	— 4	0	0	— 2	0	— 1	0	0	4	4	67
	31	8	4	0	— 2	— 7	— 2	1	3	1	3	5	6	83
Hourly Amount.	157	114	100	102	122	75	66	76	95	54	60	87	2561	

HORIZONTAL FORCE. D.

DEVIATIONS. — UNITY = 0.00001 C. G. S.

Mean Batavia Time.	1 A.M.	2	3	4	5	6	7	8	9	10	11	12	—	
MARCH.	1	—29	—5	—14	—11	—12	—12	—10	—8	—10	—21	—16	—7	—
	2	12	8	9	7	7	4	—1	0	—3	3	11	2	—
	3	12	8	2	0	—3	—7	—9	—3	—4	—4	—9	4	—
	4	18	—4	0	—4	—1	—9	—8	—10	2	5	2	2	—
	5	—10	—2	—5	—7	—6	—9	—7	—14	—8	—2	0	2	—
	6	—1	0	0	—1	—2	—6	—10	—12	—14	—14	—12	4	—
	7	3	3	6	9	4	1	—3	—7	—4	0	—1	—3	—
	8	—14	—12	—7	0	—3	—4	—1	—5	—4	1	1	4	—
	9	2	—1	—2	—3	—4	—4	—9	—12	—5	—3	2	10	—
	10	—1	—1	1	—2	—4	—4	—4	—9	—9	—4	—2	6	—
	11	1	—1	—2	—4	—4	—3	—6	12	—7	—3	4	9	—
	12	5	—2	—5	—2	2	2	3	—3	—5	—9	—8	—4	—
	13	—11	—4	—2	2	5	2	0	0	—2	—7	—13	—8	—
	14	—7	—3	1	—1	17	7	17	6	15	6	0	—15	—
	15	24	26	22	10	8	1	3	—8	—8	—6	4	—5	—
	16	—24	55	11	12	40	23	15	—1	3	—32	—41	—48	—
	17	16	16	15	15	11	9	14	—9	1	3	0	6	—
	18	—18	—16	—16	—15	—17	—18	—21	—1	2	5	0	0	—
	19	1	—5	—3	—9	—5	—4	—5	—3	—4	—4	—3	0	—
	20	2	1	4	5	5	6	7	4	—9	—7	0	5	—
	21	—9	4	—14	—2	—12	—23	—21	13	13	2	—4	0	—
	22	16	18	14	30	28	28	28	—27	—28	—26	—22	—14	—
	23	—3	—4	—3	—4	1	5	3	—2	—1	1	2	14	—
	24	—12	—5	—3	—5	—4	—5	0	—3	—2	—1	5	3	—
	25	2	0	—2	—2	—4	—2	—4	—6	—6	—1	—2	8	—
	26	1	2	—1	—4	—2	—3	—7	—8	—6	—5	—3	6	—
	27	1	—1	0	—1	—3	—2	—8	—10	—2	—9	—9	4	—
	28	0	0	—2	—6	—4	—3	—4	—6	—5	—2	3	6	—
	29	—1	0	—2	—7	—7	—5	—7	—6	—5	—5	—1	4	—
	30	—5	—3	—1	—2	—1	3	—5	—4	1	6	10	7	—
	31	4	5	3	2	6	3	0	—8	—9	—19	—6	—1	—
Hourly Amount.	265	215	172	184	232	217	240	220	197	216	196	211	—	

Mean Batavia Time.	1 P.M.	2	3	4	5	6	7	8	9	10	11	12	Daily Amount.	
MARCH.	1	8	12	—15	—15	—19	0	3	17	20	10	7	12	293
	2	3	—4	—21	—26	—25	—7	2	4	0	1	4	5	169
	3	3	8	10	—2	—3	0	4	5	4	2	—1	—18	125
	4	9	5	10	10	7	5	2	2	7	4	0	—5	131
	5	3	6	9	9	7	5	5	5	4	4	—2	—7	138
	6	12	9	10	7	5	2	1	2	1	—4	—14	0	143
	7	14	14	13	8	4	5	—8	2	—1	1	—5	—3	122
	8	2	7	1	0	—2	2	5	3	2	3	3	5	91
	9	11	3	0	0	0	1	1	2	0	0	0	—4	79
	10	12	9	2	1	2	—1	—2	—1	2	2	2	6	89
	11	12	10	6	4	5	6	6	6	8	9	8	8	144
	12	5	9	10	10	9	—2	—7	—13	—14	—13	—9	—11	162
	13	0	12	22	22	21	7	—5	—23	—32	—14	—3	—9	226
	14	—11	—14	—14	—7	3	5	9	11	14	10	6	20	219
	15	6	—8	9	44	72	9	—23	—65	—53	—57	—60	25	556
	16	—50	—38	—33	—19	—19	—5	9	10	18	21	11	10	548
	17	4	—4	—2	3	6	9	13	11	6	4	13	—1	191
	18	0	—5	0	5	11	9	13	10	6	6	3	0	197
	19	4	0	—4	2	4	4	4	5	2	2	0	0	77
	20	8	2	—4	—3	—3	—1	—7	—4	5	—7	—2	—4	105
	21	3	—2	—4	1	0	5	4	4	12	18	19	15	204
	22	—15	—15	—18	—7	—3	—8	—7	—4	2	—1	—5	—8	372
	23	16	3	4	2	8	9	10	7	1	2	—4	—2	111
	24	1	—2	3	0	1	0	1	1	—2	—2	1	0	62
	25	11	10	2	5	3	0	—1	2	—1	1	1	1	77
	26	11	6	0	—1	5	4	2	4	3	0	0	0	84
	27	16	8	—3	—1	2	7	3	4	0	—1	—3	—11	109
	28	9	7	8	3	—3	0	0	9	7	5	5	0	97
	29	6	—2	0	1	3	5	5	5	3	—1	—1	—1	83
	30	1	—5	—7	—4	3	2	3	4	2	4	0	1	84
	31	2	—6	—9	—6	—1	—6	—8	—15	—15	—14	—14	—21	183
Hourly Amount.	268	245	253	228	259	131	173	260	247	223	206	213	5271	

VERTICAL FORCE. D.														
DEVIATIONS. — UNITY = 0.00001 C. G. S.														
Mean Batavia Time.	1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—	
MARCH.	1	27	12	2	4	2	4	10	7	7	13	— 1	0	—
	2	— 8	— 5	— 3	— 1	— 1	3	8	0	8	5	— 4	— 7	—
	3	— 3	3	9	9	12	14	20	2	3	6	13	— 2	—
	4	— 14	1	— 2	— 1	— 1	7	6	8	7	0	— 2	— 6	—
	5	9	5	6	9	9	11	12	— 2	— 11	— 6	4	4	—
	6	0	0	1	3	3	6	5	10	12	7	12	— 4	—
	7	— 5	— 7	— 8	— 11	— 7	— 5	0	20	18	12	11	7	—
	8	14	12	8	1	2	6	7	2	— 0	— 6	— 1	— 1	—
	9	— 1	3	1	2	0	5	8	3	— 4	3	2	— 5	—
	10	— 3	— 5	— 7	— 6	— 6	— 9	— 2	12	5	— 3	1	— 2	—
	11	— 5	— 2	0	1	1	1	9	19	18	14	9	— 9	—
	12	— 6	1	2	— 1	— 5	— 6	— 2	14	16	13	21	6	—
	13	1	— 2	— 4	— 9	— 8	— 3	6	5	6	6	15	3	—
	14	5	— 5	— 6	— 3	— 15	— 9	— 10	— 5	— 12	— 12	— 7	8	—
	15	— 18	— 15	— 12	— 6	— 7	— 1	— 1	15	24	14	9	9	—
	16	11	— 44	— 9	— 12	— 32	— 21	— 20	— 9	— 3	14	19	37	—
	17	— 2	3	6	8	14	21	19	0	— 2	0	3	3	—
	18	10	7	5	2	4	6	6	— 6	— 3	— 10	1	— 1	—
	19	— 2	— 1	1	0	— 5	— 5	0	10	13	12	8	0	—
	20	1	2	0	0	— 3	0	— 5	— 5	0	— 1	1	— 6	—
	21	3	— 9	0	— 12	— 5	0	9	16	7	5	1	— 1	—
	22	— 5	— 4	0	— 9	— 9	— 8	— 2	20	11	5	5	— 2	—
	23	4	4	3	2	— 2	— 1	2	— 4	3	8	6	— 4	—
	24	9	3	1	2	0	1	— 3	— 6	— 5	0	3	— 1	—
	25	— 2	— 1	0	0	1	— 3	9	9	5	— 2	— 4	— 8	—
	26	— 4	— 1	2	5	3	2	0	8	13	12	7	— 3	—
	27	1	— 1	— 1	— 3	1	0	1	9	2	5	1	— 5	—
	28	— 4	— 5	— 4	— 3	— 2	— 4	0	8	7	1	— 4	— 4	—
	29	1	— 2	1	5	7	8	8	— 9	— 6	4	— 7	— 4	—
	30	3	5	4	7	7	8	20	— 2	— 8	— 11	— 8	1	—
	31	— 2	— 1	0	0	0	2	2	9	— 2	— 5	— 6	— 15	—
Hourly Amount.	183	171	108	137	174	180	212	254	241	215	196	168	—	
Mean Batavia Time.	1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily Amount	
MARCH.	1	— 2	1	9	10	6	— 3	— 6	— 13	— 14	— 6	— 6	— 7	172
	2	— 7	— 2	7	7	9	— 6	— 11	— 8	— 3	0	0	— 1	114
	3	— 7	— 19	— 15	— 1	— 2	— 7	— 3	— 8	— 4	— 2	3	13	180
	4	— 12	— 6	— 3	— 4	— 7	— 6	— 4	0	— 1	1	7	11	117
	5	— 3	— 7	— 1	1	— 6	— 7	— 6	— 5	— 10	— 3	— 1	1	139
	6	— 16	— 22	— 9	— 4	— 3	0	0	— 2	— 1	0	8	— 2	130
	7	— 13	— 12	— 9	— 7	— 7	— 1	5	— 2	0	3	8	9	187
	8	— 1	— 5	— 3	— 5	— 7	— 7	— 4	— 2	— 2	— 2	— 2	— 2	107
	9	— 6	— 1	3	5	2	0	0	0	1	1	— 2	— 2	60
	10	— 7	1	5	8	4	4	2	1	— 3	— 3	— 5	— 5	109
	11	— 16	— 14	— 11	— 5	— 6	— 3	— 3	4	— 3	— 5	— 3	— 2	163
	12	— 12	— 8	— 2	4	9	3	6	6	7	5	0	4	159
	13	— 10	— 19	— 17	— 11	— 14	— 3	10	20	20	14	2	9	217
	14	11	15	10	8	— 1	— 7	— 7	— 9	— 13	— 13	— 7	— 14	212
	15	— 10	5	2	— 22	— 48	— 20	26	61	48	48	44	— 30	495
	16	41	25	12	— 10	— 10	— 13	— 16	— 11	— 13	— 11	— 3	— 1	397
	17	— 3	7	— 7	— 10	— 11	— 12	— 10	— 9	— 2	1	— 6	2	161
	18	— 1	7	8	— 2	— 5	— 7	— 6	— 3	— 1	— 3	— 1	— 3	108
	19	— 10	— 7	— 10	— 8	— 1	— 1	— 2	— 1	3	5	5	4	114
	20	— 11	— 10	4	6	8	7	5	2	— 5	1	— 2	— 6	91
	21	— 3	2	3	— 2	1	1	— 1	0	— 2	— 4	— 4	1	92
	22	— 5	— 9	— 3	— 4	— 2	6	3	4	1	4	6	8	135
	23	— 15	— 11	— 9	— 3	1	— 3	— 3	— 1	1	2	5	7	104
	24	— 2	— 3	— 8	— 4	0	2	0	0	1	1	— 2	— 2	59
	25	— 10	— 3	2	0	1	1	3	0	0	— 1	— 1	— 1	67
	26	— 16	— 17	6	— 1	— 1	— 2	— 1	— 3	— 1	1	2	— 3	114
	27	— 10	— 10	2	4	0	0	1	2	3	0	0	4	66
	28	5	4	1	9	5	1	2	— 2	0	1	3	7	86
	29	2	5	6	0	— 7	— 5	— 4	— 4	— 1	4	2	4	106
	30	3	9	2	5	— 9	— 5	— 6	— 7	— 5	— 4	— 3	— 2	144
	31	10	1	4	5	1	1	3	3	0	— 7	— 10	— 9	98
Hourly Means.	280	267	193	175	194	141	162	195	169	156	153	176	1503	

EASTERLY DECLINATION. D.

DEVIATIONS. — UNITY = 0'.1.

Mean Batavia Time.		1 A.M.	2	3	4	5	6	7	8	9	10	11	12	—
APRIL.	1	0	— 2	6	— 7	— 4	— 5	1	5	2	0	— 3	2	—
	2	— 4	— 1	— 3	— 6	— 6	— 8	— 5	1	1	3	— 8	8	—
	3	2	2	0	3	3	1	— 7	— 11	— 12	2	9	11	—
	4	— 1	5	2	— 2	— 1	— 4	— 7	— 6	3	3	7	10	—
	5	0	— 1	— 3	— 2	0	— 4	— 7	— 7	1	4	9	11	—
	6	1	1	3	6	2	— 2	— 6	— 6	— 2	1	0	1	—
	7	5	4	5	3	2	— 1	1	8	— 4	— 6	— 2	— 3	—
	8	2	3	0	0	0	— 2	— 3	— 2	— 3	— 3	3	4	—
	9	— 4	— 2	2	5	9	11	17	8	1	— 5	— 8	— 9	—
	10	0	0	3	2	1	1	1	0	— 2	— 8	— 8	— 11	—
	11	— 1	0	0	— 2	— 3	0	4	7	— 2	— 2	— 3	4	—
	12	3	1	3	1	— 1	0	0	2	— 1	— 3	— 2	— 3	—
	13	— 4	— 5	— 2	— 7	— 9	— 8	— 2	7	11	9	10	9	—
	14	7	4	7	5	5	4	0	— 6	— 11	— 8	0	— 7	—
	15	6	6	5	3	3	2	0	3	— 1	— 8	— 2	— 5	—
	16	2	7	9	13	7	11	13	7	0	1	— 8	— 15	—
	17	5	5	— 2	0	— 1	— 1	1	4	— 2	2	— 1	6	—
	18	— 2	— 4	— 3	— 6	— 5	— 4	— 1	0	2	6	14	12	—
	19	0	— 2	— 2	— 6	— 2	— 2	— 3	— 3	4	8	9	5	—
	20	0	1	3	3	5	6	1	— 3	— 7	— 9	— 12	— 11	—
	21	5	4	3	2	9	4	10	— 6	— 4	— 2	— 8	— 2	—
	22	— 1	— 3	— 4	— 3	— 3	0	10	13	2	— 1	— 2	2	—
	23	— 1	— 2	— 1	0	1	2	6	0	— 2	— 5	1	9	—
	24	— 1	0	0	— 1	0	1	4	0	— 6	— 5	— 2	— 1	—
	25	1	3	1	2	2	3	5	— 7	— 6	— 2	0	0	—
	26	0	— 2	— 1	2	0	2	0	— 3	— 1	11	13	14	—
	27	1	2	6	5	2	1	8	— 7	1	2	10	6	—
	28	2	3	2	— 2	— 2	— 1	3	6	3	13	15	6	—
	29	2	2	2	2	3	2	2	0	— 1	— 2	— 9	— 14	—
	30	0	0	1	2	5	7	15	14	7	— 3	— 10	— 16	—
Hourly Amount.		63	77	84	103	96	100	143	152	105	137	188	217	—
Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily Amount.
APRIL.	1	11	9	— 4	— 1	— 4	— 2	4	— 3	2	3	— 3	— 3	86
	2	13	11	6	0	— 3	— 5	— 5	— 3	— 3	0	1	— 2	106
	3	3	— 7	— 13	— 13	— 4	6	2	6	2	2	1	— 5	127
	4	4	— 2	1	— 8	4	— 1	— 3	— 1	2	2	2	1	82
	5	6	4	0	— 4	— 6	— 4	— 3	— 4	— 2	— 2	0	2	86
	6	3	3	0	— 2	— 3	— 4	— 3	— 3	— 2	0	0	4	58
	7	— 1	— 1	— 2	— 1	— 1	3	1	1	2	2	2	1	62
	8	1	— 6	— 4	0	12	5	— 2	— 7	— 2	— 1	— 4	— 1	70
	9	— 14	— 9	3	4	3	0	2	0	3	4	4	5	132
	10	— 12	— 6	3	7	4	3	0	2	3	3	3	0	83
	11	— 3	— 3	3	4	2	2	— 2	— 2	— 2	— 2	— 1	2	56
	12	— 8	— 4	1	6	4	1	1	2	1	1	— 3	— 3	55
	13	5	1	2	11	7	— 3	— 6	— 7	— 4	— 2	— 2	3	136
	14	— 12	— 13	— 7	— 1	— 2	1	2	3	3	3	5	6	122
	15	— 6	— 3	1	3	5	— 1	— 4	— 3	— 3	— 1	— 1	— 8	83
	16	— 19	— 13	— 12	— 10	— 6	0	5	2	4	5	1	5	175
	17	13	— 1	— 3	— 5	— 4	1	1	— 2	0	1	0	— 1	62
	18	7	3	4	— 5	— 5	— 6	— 2	— 1	0	— 4	— 2	— 1	99
	19	3	6	3	2	— 2	0	7	1	2	— 1	— 1	0	74
	20	— 8	— 8	— 10	— 3	0	2	4	3	1	1	1	4	106
	21	— 1	— 9	— 7	— 4	8	8	7	— 2	— 6	— 2	0	— 2	115
	22	2	1	0	— 1	— 1	0	0	— 2	— 2	— 2	— 2	— 2	59
	23	6	3	— 2	2	1	— 4	— 4	— 1	— 1	— 2	— 1	— 2	59
	24	— 1	— 4	— 2	2	4	2	1	0	1	2	1	4	45
	25	1	1	— 1	1	1	— 3	— 3	— 3	— 4	— 2	— 2	— 1	55
	26	8	1	— 5	— 3	— 5	— 7	— 6	— 6	— 5	— 6	— 2	0	103
	27	— 4	— 2	— 6	— 3	0	3	— 9	— 6	— 7	— 8	— 4	0	103
	28	— 1	— 7	— 6	7	3	2	5	0	— 5	— 4	— 7	0	105
	29	— 11	— 1	1	4	5	4	— 1	— 2	0	— 3	1	1	75
	30	— 19	— 13	— 2	3	2	4	4	0	— 1	0	1	— 1	130
Hourly Amount.		206	155	114	120	111	87	99	78	75	71	58	70	2709

HORIZONTAL FORCE. D.

DEVIATIONS. — UNITY = 0.00001 C. G. S.

Mean Batavia Time.	1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—	
APRIL.	1	17	20	16	18	17	18	17	9	— 5	— 6	4	6	—
	2	—15	— 9	— 1	— 5	1	1	0	— 2	2	2	5	5	—
	3	1	— 4	6	— 1	0	— 1	— 3	— 5	— 1	— 4	15	9	—
	4	—13	—14	7	— 5	— 2	— 5	— 3	0	0	2	9	2	—
	5	1	— 3	— 4	— 4	— 8	— 7	— 3	— 1	— 2	7	19	6	—
	6	— 1	— 3	— 4	— 5	— 7	— 7	— 8	— 4	0	6	9	6	—
	7	1	— 1	— 5	0	— 3	— 3	— 4	— 4	2	8	2	— 1	—
	8	8	8	11	8	4	9	17	19	17	29	4	—13	—
	9	—10	— 5	— 5	— 4	— 1	7	18	9	6	— 1	— 9	— 6	—
	10	16	5	1	— 1	— 1	0	6	3	0	2	8	9	—
	11	— 4	0	— 1	2	2	4	6	— 2	— 1	6	5	1	—
	12	14	4	2	4	9	12	6	2	0	0	0	— 5	—
	13	11	10	12	15	15	13	10	14	3	2	—10	—15	—
	14	1	13	11	11	11	12	14	20	15	4	1	3	—
	15	14	13	16	8	1	4	1	0	2	3	1	— 8	—
	16	— 6	— 4	6	1	15	27	20	15	13	3	—10	—17	—
	17	— 5	— 2	2	— 3	0	0	3	0	5	7	9	10	—
	18	6	1	— 1	— 1	— 3	— 1	2	1	0	2	2	— 4	—
	19	6	3	1	1	3	— 7	— 8	—11	—15	—18	—15	15	—
	20	—24	—23	—13	— 3	— 1	4	9	1	1	— 4	— 5	—12	—
	21	1	6	4	0	— 2	2	2	3	— 1	— 5	— 2	— 3	—
	22	3	1	1	— 3	— 7	— 8	— 8	— 6	— 1	1	5	0	—
	23	— 1	2	0	— 1	— 3	— 4	— 2	0	— 1	3	2	— 3	—
	24	5	3	0	1	2	— 1	3	4	7	14	13	4	—
	25	— 8	— 3	— 2	— 1	— 7	2	5	3	5	3	— 7	— 8	—
	26	5	5	1	6	— 1	3	1	4	0	— 5	— 1	— 4	—
	27	5	2	13	18	26	25	32	31	14	— 1	—29	—56	—
	28	19	4	17	11	7	12	11	45	38	1	—19	—28	—
	29	10	11	4	8	6	7	6	2	1	5	6	— 3	—
	30	4	— 1	— 3	— 2	0	— 1	4	8	8	12	6	— 6	—
Hourly Amount.	235	183	170	151	165	207	232	228	166	166	232	268	—	
Mean Batavia Time.	1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily Amount.	
APRIL.	1	0	18	—21	—16	— 9	— 5	— 9	10	10	3	11	2	267
	2	0	— 4	2	5	0	— 1	— 2	— 1	5	4	4	2	78
	3	0	7	2	9	0	— 6	7	5	0	— 4	—12	— 8	110
	4	— 5	— 4	2	— 5	3	2	8	5	1	2	4	7	110
	5	— 1	— 6	— 2	2	4	2	3	2	0	0	1	1	89
	6	7	1	— 2	— 2	6	8	6	2	5	1	3	— 2	105
	7	— 6	— 7	— 6	— 2	0	0	1	— 5	— 2	— 1	0	3	67
	8	—29	—29	—25	—22	—13	10	9	— 3	— 6	— 5	0	— 9	307
	9	— 9	— 6	0	— 5	— 2	— 3	— 5	6	1	0	— 5	— 3	126
	10	— 5	4	6	10	5	5	0	— 4	1	— 7	—13	— 7	119
	11	— 9	— 7	— 1	1	5	0	— 3	— 3	— 8	— 5	— 8	— 9	90
	12	3	10	2	— 5	— 9	— 8	— 1	0	0	2	3	5	106
	13	—21	—30	—21	—20	—17	—17	—20	—21	11	— 9	—11	— 1	329
	14	4	7	0	— 5	—15	—13	— 2	3	8	8	13	11	205
	15	—16	—15	—11	—15	—16	— 5	— 2	3	— 9	—10	—10	— 3	186
	16	—13	—11	— 4	4	3	— 5	— 9	— 9	— 1	— 2	8	6	212
	17	—10	—23	— 4	0	0	— 1	0	0	1	3	2	2	92
	18	— 1	4	4	— 7	0	9	5	— 4	—10	0	5	5	78
	19	12	16	25	27	22	15	— 7	—12	—19	1	10	— 6	275
	20	—12	4	14	13	3	0	7	— 4	3	2	1	1	164
	21	4	3	6	9	— 9	—22	—11	3	12	7	2	6	125
	22	— 1	5	4	3	3	— 1	1	3	3	4	3	2	77
	23	— 7	— 6	1	4	0	1	0	— 2	— 8	—10	— 5	— 5	71
	24	1	—11	— 2	5	3	2	5	3	5	2	1	— 2	99
	25	—10	— 7	— 3	— 7	— 6	1	2	1	0	2	1	3	97
	26	— 6	— 2	7	10	9	7	6	3	— 8	2	— 8	— 1	105
	27	—59	—53	—40	—25	— 9	— 8	6	12	11	10	10	9	504
	28	—22	5	11	—11	—13	—31	—13	—34	—14	— 7	— 2	12	417
	29	—10	— 6	— 4	1	2	7	6	5	— 5	— 7	0	2	124
	30	— 9	—13	—11	— 7	— 2	2	3	4	2	3	3	6	120
Hourly Amount.	292	324	243	257	185	197	189	172	169	123	159	141	4854	

VERTICAL FORCE. D.
DEVIATIONS. — UNITY = 0,00001 C. G. S.

Mean Batavia Time.	1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—	
A P R I L.	1	—10	—14	—16	—21	—24	—28	—32	12	22	25	9	3	—
	2	10	4	0	4	3	7	6	— 8	— 7	— 7	— 1	0	—
	3	0	0	— 6	— 5	— 3	1	3	5	— 7	— 6	—18	— 3	—
	4	11	10	2	1	0	4	4	— 3	— 1	3	— 3	— 1	—
	5	3	7	10	8	9	9	1	— 4	— 9	— 7	—22	— 3	—
	6	1	5	7	9	10	11	1	—11	—11	— 5	3	3	—
	7	6	8	11	4	5	5	2	— 9	— 6	— 5	— 2	1	—
	8	— 2	0	0	3	6	2	— 9	—25	—21	—28	—17	5	—
	9	5	1	— 2	— 5	— 9	—13	—22	—10	— 2	4	— 3	— 2	—
	10	—12	— 2	5	6	7	7	5	— 3	1	4	1	— 6	—
	11	— 2	— 2	— 2	— 1	— 4	— 8	—16	— 8	— 3	— 9	2	4	—
	12	—13	— 4	2	1	— 3	— 3	— 1	2	5	4	— 1	— 2	—
	13	— 4	— 2	— 2	— 6	— 4	— 6	—10	— 9	2	— 3	— 8	4	—
	14	— 9	—13	— 8	— 4	0	4	4	— 1	1	— 2	—10	— 3	—
	15	— 9	—10	—11	— 4	0	— 6	1	25	24	17	4	3	—
	16	4	2	— 8	— 1	— 9	—19	— 7	— 6	0	1	6	8	—
	17	4	4	1	6	6	4	2	— 2	0	2	— 5	—17	—
	18	0	4	7	9	9	3	— 5	—29	—15	— 6	— 8	4	—
	19	— 5	— 3	0	1	1	6	5	8	4	11	13	9	—
	20	16	8	— 4	—13	—14	—16	—16	— 4	— 6	— 8	1	12	—
	21	0	— 2	2	4	4	— 3	— 3	— 4	— 5	— 5	— 5	— 1	—
	22	2	4	3	3	6	1	— 9	—14	— 4	— 1	— 2	— 2	—
	23	1	1	3	4	5	3	1	— 3	5	3	— 5	— 4	—
	24	— 5	— 5	— 1	0	0	— 2	—10	—11	—10	—13	— 9	— 1	—
	25	6	— 2	0	1	3	— 4	1	8	2	— 6	4	10	—
	26	— 8	— 7	— 4	— 6	2	2	— 6	— 7	—16	—17	— 9	6	—
	27	— 1	0	— 4	— 7	— 6	— 4	—14	— 8	—14	—13	— 6	17	—
	28	—13	— 1	— 8	— 1	0	— 5	—14	—27	—29	—11	7	12	—
	29	—11	—10	— 4	— 3	— 2	2	1	6	— 3	— 6	— 4	5	—
	30	1	4	5	6	4	2	0	— 2	1	— 1	1	8	—

Hourly Amount.	174	139	138	147	158	190	211	268	236	233	189	159	—
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Mean Batavia Time.	1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily Amount.	
A P R I L.	1	17	14	48	37	19	5	— 2	— 8	— 9	— 1	— 4	0	380
	2	— 4	— 6	— 8	—10	— 2	— 1	0	0	— 4	— 3	— 3	— 2	100
	3	13	17	14	1	— 2	— 2	— 6	— 6	2	1	10	4	135
	4	5	2	—10	—13	—15	— 6	— 6	— 5	— 2	2	4	3	116
	5	4	10	13	7	1	— 4	— 4	— 4	— 2	— 3	— 7	— 5	156
	6	2	— 5	0	— 4	—10	— 8	— 2	— 1	— 1	0	1	1	112
	7	4	4	9	5	0	— 5	— 3	— 2	— 1	— 2	0	1	100
	8	36	40	31	13	— 8	—15	— 9	2	3	0	— 6	— 2	283
	9	10	15	9	15	11	8	7	— 2	— 2	— 1	4	2	164
	10	— 1	— 9	—15	—15	— 3	1	3	5	2	6	8	1	128
	11	12	12	3	— 2	5	7	7	6	5	2	1	3	126
	12	0	—13	—18	— 9	2	10	6	2	2	2	1	— 2	108
	13	9	9	12	14	23	22	12	9	2	1	2	— 8	183
	14	— 5	—14	—23	—11	— 4	2	5	3	0	— 1	— 5	— 5	137
	15	1	— 5	— 5	— 6	1	2	2	0	8	8	5	8	165
	16	4	0	— 1	— 1	— 2	2	3	5	— 1	1	— 2	0	93
	17	— 5	12	— 3	— 4	— 2	— 1	0	2	5	4	7	5	103
	18	13	6	1	5	2	— 5	— 2	1	5	0	— 5	— 5	149
	19	—15	— 7	—19	—18	—10	— 5	6	10	14	— 3	— 8	4	185
	20	23	20	2	— 3	1	1	— 1	5	0	0	1	— 1	176
	21	— 4	4	— 4	— 9	4	14	6	0	— 6	— 2	2	0	93
	22	5	2	— 5	— 3	1	4	1	0	0	— 1	0	2	75
	23	2	10	9	1	1	1	— 2	0	2	1	— 2	— 3	72
	24	0	15	8	3	5	7	— 1	0	— 4	— 2	0	1	113
	25	2	0	3	11	12	— 3	— 4	— 2	0	— 3	— 2	— 4	93
	26	14	13	8	3	2	5	0	0	8	— 3	6	— 1	153
	27	26	23	17	6	2	2	— 2	— 2	— 4	— 5	— 4	— 4	191
	28	28	8	8	12	17	18	28	21	6	— 2	— 3	—11	290
	29	5	—11	—16	—12	— 7	— 2	0	3	6	9	7	2	131
	30	4	— 8	—15	—16	— 8	— 3	0	3	1	3	4	2	102

Hourly Amount.	273	314	337	269	182	171	130	109	107	73	113	92	4412
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EASTERLY DECLINATION. D.

DEVIATIONS. — UNITY = 0'.1.

Mean Batavia Time.	1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—	
M V Y.	1	— 2	— 4	— 3	— 6	— 6	— 4	— 5	— 5	— 4	6	8	0	—
	2	4	3	1	— 2	— 2	— 6	— 21	— 35	— 28	— 11	9	11	—
	3	3	3	1	0	4	— 7	— 21	— 27	— 18	— 9	4	13	—
	4	3	0	— 2	— 3	— 3	— 5	— 10	— 12	— 14	— 7	0	5	—
	5	5	5	1	0	— 2	— 4	— 14	— 19	— 15	— 5	7	10	—
	6	0	1	1	0	— 1	2	— 4	— 10	— 14	— 4	0	1	—
	7	4	3	1	0	— 1	2	— 2	0	— 1	— 5	— 6	— 10	—
	8	— 1	0	— 3	— 6	— 6	— 4	— 2	1	4	5	6	4	—
	9	— 1	— 13	— 1	0	— 1	3	0	— 3	0	0	1	0	—
	10	3	3	0	0	0	2	3	— 2	1	4	5	1	—
	11	3	2	— 1	— 1	— 4	— 4	— 2	3	— 5	— 7	0	0	—
	12	— 5	— 5	— 3	1	— 4	— 27	2	4	5	2	4	0	—
	13	— 1	0	— 1	1	— 2	— 3	— 4	10	0	1	2	2	—
	14	— 9	— 16	— 8	— 2	11	26	12	21	14	9	1	— 9	—
	15	— 1	0	0	3	0	— 2	— 7	— 6	— 4	— 5	— 4	— 1	—
	16	1	1	5	4	4	7	2	2	— 4	— 1	— 2	— 7	—
	17	1	3	— 2	4	2	4	— 2	— 2	— 5	— 6	— 5	— 2	—
	18	1	— 2	1	1	— 1	6	10	5	2	— 1	— 3	— 2	—
	19	3	3	2	2	— 2	6	4	5	9	3	— 9	— 7	—
	20	3	2	2	2	2	0	2	3	5	— 1	— 4	— 13	—
	21	— 4	— 1	2	0	0	— 2	— 5	2	3	5	0	— 7	—
	22	1	0	1	0	— 2	— 1	— 3	— 2	— 2	1	— 4	— 11	—
	23	— 1	— 2	— 4	— 2	— 3	— 2	0	— 1	1	— 1	2	8	—
	24	— 3	— 5	2	0	8	— 2	— 4	— 4	— 3	1	2	3	—
	25	— 6	— 3	— 3	— 1	— 1	4	3	6	7	— 1	— 5	— 9	—
	26	— 2	— 11	— 6	— 7	— 6	— 5	7	10	8	7	12	25	—
	27	— 3	— 4	— 7	— 12	— 8	— 2	5	11	7	11	4	4	—
	28	— 5	— 11	— 12	— 11	— 13	— 8	4	— 2	18	13	14	10	—
	29	— 7	— 6	— 8	— 3	0	5	6	7	7	9	6	— 1	—
	30	1	— 2	— 1	3	9	4	10	13	3	3	0	— 1	—
	31	0	2	— 2	— 1	— 1	4	7	2	1	— 1	— 3	0	—
Hourly Amount.	87	116	87	78	109	163	183	235	212	145	132	177	—	
Mean Batavia Time.	1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily Amount.	
M A Y.	1	3	9	7	6	0	— 2	0	2	7	6	8	7	110
	2	12	13	10	0	— 6	7	6	4	7	7	8	2	215
	3	11	7	6	— 2	1	2	2	2	5	4	5	5	162
	4	9	14	10	4	— 1	— 2	— 3	1	2	3	4	3	120
	5	11	6	2	— 2	0	0	0	2	3	2	4	4	123
	6	0	1	— 2	3	— 1	0	3	2	4	1	3	4	62
	7	— 8	— 4	— 3	— 4	— 4	7	4	4	6	3	3	1	86
	8	— 3	1	4	8	9	4	3	— 1	— 1	— 1	0	0	77
	9	— 1	— 2	— 7	— 5	1	5	4	2	— 1	1	1	3	56
	10	— 1	— 9	— 10	— 12	— 5	— 9	1	— 2	7	16	6	5	107
	11	2	— 2	— 5	0	4	10	16	13	8	6	— 4	— 4	106
	12	— 10	— 10	— 5	9	6	6	1	1	1	— 1	— 7	1	120
	13	4	— 1	— 1	— 1	— 1	— 4	— 1	— 3	1	1	— 3	— 7	55
	14	— 8	— 15	— 5	— 6	— 5	0	4	5	5	4	4	1	200
	15	2	— 1	3	6	0	— 1	— 2	— 3	3	1	3	2	60
	16	— 11	— 16	— 10	1	3	13	2	2	1	— 1	3	3	106
	17	3	0	1	— 1	0	6	2	5	4	— 3	— 4	0	67
	18	— 3	— 7	— 3	— 5	— 3	— 2	— 2	— 2	— 2	— 2	— 4	0	70
	19	— 6	— 2	0	2	2	1	1	2	2	1	2	1	77
	20	— 15	— 9	— 4	3	— 2	2	3	2	4	3	3	4	93
	21	— 8	— 4	3	5	1	0	3	3	4	4	5	4	75
	22	— 9	— 10	2	5	4	2	3	4	5	4	3	1	80
	23	10	6	3	1	— 2	0	0	— 2	— 5	— 4	— 2	— 3	65
	24	5	2	— 2	— 3	4	3	4	5	4	4	— 3	— 5	81
	25	— 2	0	— 4	— 1	— 2	3	3	1	— 13	1	— 4	— 3	86
	26	35	9	— 4	— 13	— 7	1	— 4	— 4	— 8	— 8	— 2	— 5	206
	27	8	14	4	— 4	— 7	4	— 5	— 2	5	— 1	— 6	— 13	151
	28	18	10	5	9	1	1	— 3	— 5	— 6	— 7	— 4	— 7	197
	29	— 7	— 8	— 4	— 3	1	0	0	— 3	— 3	— 5	— 8	— 3	110
	30	1	— 5	— 9	— 6	— 4	— 2	— 4	1	1	— 2	1	3	89
	31	— 1	— 3	— 1	— 7	— 1	— 3	— 3	— 3	— 4	— 3	— 5	— 6	64
Hourly Amount.	227	200	139	137	88	102	92	93	132	110	122	110	3276	

HORIZONTAL FORCE. D.

DEVIATIONS. — UNITY = 0.00001 C.G.S.

Mean Batavia Time.		1 A.M.	2	3	4	5	6	7	8	9	10	11	12	—
M A Y.	1	2	— 1	— 6	— 5	— 8	— 5	— 8	— 6	— 2	2	— 2	2	—
	2	0	— 0	— 2	— 2	— 2	— 3	— 4	— 3	0	7	8	8	—
	3	— 2	— 6	— 5	— 4	— 7	— 2	— 5	2	5	7	0	— 5	—
	4	— 5	— 3	— 8	— 9	— 10	— 16	— 9	— 3	— 4	1	5	11	—
	5	— 14	— 6	— 2	— 3	— 1	2	7	10	7	7	1	— 3	—
	6	— 2	— 3	— 3	— 3	— 5	— 8	2	— 2	— 2	3	— 5	— 2	—
	7	— 5	— 8	— 4	— 3	— 1	— 3	— 4	— 3	2	5	1	— 1	—
	8	2	3	5	13	2	3	3	2	6	— 1	— 9	— 6	—
	9	— 4	3	1	— 1	— 6	— 5	— 2	2	3	3	7	3	—
	10	— 3	— 7	— 3	— 6	— 13	— 13	— 11	— 9	— 21	— 18	— 22	— 20	—
	11	— 3	— 3	1	5	11	6	10	10	— 7	— 2	— 14	6	—
	12	— 20	— 9	— 12	— 13	8	4	— 1	34	27	11	— 9	— 24	—
	13	19	17	12	13	17	15	10	— 42	— 36	— 15	— 5	— 2	—
	14	43	33	24	— 9	— 20	— 7	5	— 29	— 41	— 35	— 28	— 28	—
	15	0	— 2	— 3	— 2	— 1	1	3	5	6	7	5	2	—
	16	— 2	— 4	— 3	0	— 3	— 6	0	— 9	— 7	— 4	— 4	2	—
	17	4	3	0	— 4	6	4	4	— 10	3	0	— 3	1	—
	18	— 3	2	2	— 2	— 3	3	2	7	8	7	5	0	—
	19	— 2	— 1	— 5	— 7	0	— 8	— 1	2	2	2	3	— 2	—
	20	— 3	1	— 2	— 1	— 8	— 10	— 9	— 8	— 4	2	6	11	—
	21	7	1	3	0	2	0	— 7	0	0	— 8	— 2	3	—
	22	0	— 1	0	— 1	— 1	— 3	— 4	— 7	— 4	0	2	3	—
	23	0	1	— 2	— 2	— 5	— 5	— 4	— 2	— 4	— 2	2	4	—
	24	1	3	— 9	— 7	— 7	— 9	— 8	— 6	— 1	— 1	0	— 8	—
	25	— 12	— 3	0	3	3	6	10	11	— 1	— 9	— 9	— 8	—
	26	— 13	13	17	— 4	22	11	27	29	24	14	— 17	— 65	—
	27	11	13	8	23	37	8	13	23	15	— 2	— 1	— 14	—
	28	22	22	13	20	16	18	10	0	5	— 3	— 27	— 24	—
	29	6	0	— 1	— 3	— 4	— 2	2	3	12	14	4	— 3	—
	30	1	3	4	— 3	1	0	— 1	— 7	3	— 3	0	4	—
	31	4	1	16	5	1	— 5	— 3	— 3	— 4	— 2	— 22	— 12	—

Hourly Amount.	215	176	176	176	231	191	189	289	266	197	228	287	—
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Mean Batavia Time.	1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily Amount	
M A Y.	1	— 1	4	8	8	6	9	4	3	— 2	0	— 1	— 3	98
	2	— 1	—15	—13	— 7	6	6	2	9	— 5	— 3	5	5	113
	3	— 5	— 2	— 1	5	5	8	6	3	— 6	0	2	— 4	97
	4	10	2	9	15	13	12	10	11	5	0	— 6	— 7	184
	5	— 11	— 9	— 7	— 1	3	9	8	4	3	5	1	— 6	130
	6	— 2	4	7	8	12	9	4	— 2	— 1	0	— 1	— 5	95
	7	2	2	4	7	1	— 4	1	5	— 2	— 7	— 6	0	81
	8	— 2	— 3	— 5	— 5	— 7	— 6	— 9	— 1	— 6	3	— 4	— 5	111
	9	5	10	8	7	4	5	4	4	7	5	9	4	112
	10	— 8	41	41	41	24	2	26	35	5	—16	— 4	— 1	390
	11	1	—12	— 8	— 2	— 2	— 8	—16	— 6	—23	—21	—24	—24	225
	12	—26	—22	—13	—16	— 3	13	19	24	24	26	35	24	417
	13	4	7	2	20	13	14	12	15	11	—22	0	1	324
	14	—17	— 5	0	4	4	3	5	1	2	— 7	— 1	0	351
	15	1	1	4	— 2	8	6	2	6	3	3	— 1	— 5	79
	16	2	3	— 3	—11	— 8	— 9	— 3	— 3	6	7	8	5	112
	17	3	4	1	3	2	0	0	— 3	— 7	— 1	6	1	73
	18	—15	— 9	—10	— 3	4	10	6	5	1	1	1	— 1	110
	19	4	5	0	— 2	1	— 2	— 1	— 2	— 1	3	4	4	64
	20	12	3	4	1	0	— 2	— 4	— 2	0	3	20	10	126
	21	7	3	0	— 4	0	0	0	— 2	0	— 5	— 5	— 5	64
	22	3	4	3	0	— 1	— 1	— 2	— 1	— 1	0	0	— 2	44
	23	13	10	6	12	7	2	5	5	7	0	8	6	114
	24	— 1	4	9	18	10	7	6	—12	—13	—23	—15	— 6	184
	25	1	3	1	5	18	18	16	17	90	44	—52	— 6	346
	26	—60	—115	—80	—32	— 6	1	— 1	6	14	24	21	21	637
	27	—38	—41	—39	—13	— 5	—10	3	10	— 4	2	7	23	363
	28	—33	—35	— 7	—17	—21	3	— 2	4	21	4	0	9	336
	29	0	— 9	— 9	— 7	— 4	— 1	— 3	5	2	9	15	8	126
	30	— 4	— 6	— 9	— 2	— 3	— 1	— 3	— 8	— 8	— 3	4	9	90
	31	— 1	3	4	6	— 4	— 4	— 3	—12	3	— 7	—12	—19	156

Hourly Amount.	293	396	315	284	205	185	186	226	280	256	276	229	5752
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VERTICAL FORCE. D.													
DEVIATIONS. — UNITY = 0.00001 C. G. S.													
Mean Batavia Time.	1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
M A Y.	1	2	2	3	1	5	1	4	3	— 1	— 4	5	2
	2	5	7	5	6	8	15	24	25	10	—22	—22	—14
	3	1	2	2	3	5	9	13	15	7	— 8	—12	—11
	4	4	4	4	5	5	11	17	13	11	4	— 2	—11
	5	8	2	— 1	1	0	4	6	15	7	— 6	—13	—14
	6	5	3	1	2	1	3	5	19	13	— 4	1	— 1
	7	7	10	6	7	6	8	18	8	5	7	2	— 2
	8	— 6	— 5	— 8	—15	— 7	—12	—12	3	— 2	— 4	5	12
	9	— 1	— 5	— 3	0	4	6	7	5	3	— 2	— 4	— 7
	10	— 2	— 7	1	3	8	11	8	— 1	1	— 3	1	4
	11	— 4	— 1	— 3	— 4	— 6	— 4	— 9	— 4	7	4	— 1	—13
	12	— 3	— 7	—11	—10	—27	—22	— 9	— 2	8	8	12	19
	13	— 1	2	3	2	2	1	7	7	6	— 7	—13	— 3
	14	—23	—22	— 9	2	11	— 3	— 6	25	54	45	38	23
	15	0	2	2	3	4	10	13	2	2	0	— 2	— 3
	16	2	5	1	— 5	— 1	0	3	9	8	— 6	— 3	— 4
	17	— 5	— 4	— 2	0	— 7	— 5	— 1	11	5	2	— 5	— 1
	18	— 2	— 3	— 5	— 2	0	— 4	— 5	— 3	— 6	— 9	— 1	— 3
	19	0	— 2	0	3	— 3	0	— 3	— 6	2	1	2	— 1
	20	3	— 1	0	2	4	5	5	1	3	3	3	— 3
	21	— 5	— 2	— 3	0	— 3	— 2	— 1	— 4	— 7	3	1	10
	22	— 2	— 1	— 3	— 2	— 2	— 3	— 6	1	— 2	1	7	9
	23	— 2	— 1	1	0	1	0	— 1	— 9	— 3	— 1	0	6
	24	— 4	— 4	3	0	— 1	1	1	4	1	— 1	4	5
	25	— 2	— 5	— 6	— 4	— 2	— 4	— 4	— 6	1	10	8	2
	26	3	—14	—14	0	—12	—15	—25	—15	—11	— 7	10	25
	27	— 3	— 5	— 4	—10	— 3	— 8	—14	—19	—17	2	1	8
	28	—15	—15	—10	—13	—11	—12	— 8	20	11	23	21	9
	29	— 1	3	0	— 1	— 2	— 8	—11	— 2	— 4	— 4	1	7
	30	1	1	0	5	0	3	0	—11	—12	— 3	— 2	— 5
	31	— 4	1	—11	— 3	0	— 2	— 8	— 5	— 4	— 7	2	— 5
Hourly Amount.	126	148	125	114	151	192	254	273	234	211	204	242	—

Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily Amount.
M A Y.	1	1	— 1	— 3	— 6	— 2	—10	— 8	— 8	— 5	— 4	— 1	2	84
	2	— 2	2	1	2	— 6	—14	— 5	— 9	— 6	1	2	— 2	215
	3	—14	—13	— 6	— 4	— 7	— 6	— 3	— 1	2	— 1	— 3	1	149
	4	—17	—18	—10	— 8	— 7	— 7	— 5	— 7	— 5	— 2	4	7	188
	5	— 8	— 2	1	— 6	— 9	— 8	— 7	— 3	— 2	— 1	1	5	130
	6	— 1	— 8	— 9	—14	— 9	—10	— 5	— 1	1	4	4	8	132
	7	—13	—18	—13	— 8	— 9	— 5	— 4	— 7	— 5	2	3	— 6	179
	8	11	9	10	10	16	7	3	— 2	1	— 2	4	5	171
	9	—14	—11	— 2	6	— 1	— 2	— 2	— 5	— 8	— 6	— 5	— 1	110
	10	2	—23	— 5	— 1	1	4	—13	—16	7	11	6	1	140
	11	— 6	15	17	12	7	4	9	6	7	12	14	8	177
	12	15	6	— 6	—10	—15	—11	—11	— 4	— 1	1	— 3	0	221
	13	1	— 1	2	—12	— 5	— 4	— 4	— 7	— 7	15	— 4	— 5	121
	14	— 2	—13	—17	—11	—13	—11	—12	— 7	— 4	2	1	2	356
	15	— 8	—14	—12	— 7	— 8	— 7	— 2	— 4	— 2	— 4	— 1	0	112
	16	0	— 6	5	12	6	5	4	5	0	— 2	— 2	— 2	96
	17	—10	— 8	0	4	7	3	6	4	7	6	1	1	105
	18	6	4	4	2	— 4	— 5	— 1	0	4	3	3	2	81
	19	— 2	— 1	3	5	3	3	1	2	0	— 1	— 1	0	45
	20	—12	—10	— 8	— 8	— 1	1	4	3	1	— 2	—10	— 1	94
	21	7	2	— 2	2	4	1	0	0	0	2	3	0	64
	22	0	— 2	— 8	— 5	— 1	1	2	3	4	5	2	4	76
	23	2	—13	0	6	9	0	0	— 1	— 1	— 2	— 2	— 4	65
	24	1	— 2	— 1	— 6	0	3	3	11	10	13	6	2	87
	25	— 3	— 6	— 5	— 4	— 5	— 6	— 3	— 2	—46	—18	49	9	210
	26	26	67	59	18	— 3	—16	—10	— 6	—11	—14	—11	—13	405
	27	17	19	18	11	— 2	— 2	3	— 6	3	1	— 2	—15	193
	28	4	3	—19	—17	5	— 7	0	7	— 6	2	5	2	245
	29	7	11	12	8	4	1	— 1	0	2	— 4	— 4	0	98
	30	6	14	15	9	2	— 4	1	4	1	— 1	— 4	— 6	110
	31	— 8	—12	— 5	— 4	— 5	—10	—15	—13	—22	—22	—22	—20	210
Hourly Amount.		226	334	278	238	176	178	147	154	181	166	183	134	4669

EASTERLY DECLINATION. D.

DEVIATIONS. — UNITY = 0'.1.

Mean Batavia Time.	1 A.M.	2	3	4	5	6	7	8	9	10	11	12	—	
JUNE	1	4	6	9	7	1	6	8	2	7	10	4	— 6	—
	2	1	— 2	— 3	— 5	— 4	— 2	6	11	6	4	2	0	—
	3	3	1	1	1	2	2	2	2	— 1	— 3	— 6	— 5	—
	4	0	2	4	0	— 2	— 1	2	6	10	10	6	— 2	—
	5	1	2	— 1	1	3	5	9	12	5	3	— 5	— 10	—
	6	1	— 2	— 4	2	2	1	12	9	9	3	0	— 3	—
	7	0	— 1	— 2	— 2	— 3	— 2	— 3	— 2	2	1	3	3	—
	8	0	2	1	1	0	— 2	— 3	— 5	— 2	— 4	3	— 1	—
	9	— 1	— 3	— 4	— 4	— 4	— 4	— 1	— 2	2	5	6	5	—
	10	— 3	— 1	— 2	1	0	5	6	4	18	5	1	— 6	—
	11	1	1	3	— 1	11	5	2	1	— 4	— 1	— 3	— 3	—
	12	— 2	0	— 1	— 1	— 3	— 5	— 3	— 4	— 7	— 1	7	19	—
	13	1	0	0	1	1	3	4	5	3	2	0	0	—
	14	— 1	— 4	1	0	— 2	— 2	1	2	— 5	— 2	3	5	—
	15	— 2	0	— 1	— 1	— 1	— 1	1	2	0	— 5	— 2	— 1	—
	16	1	1	1	2	3	1	6	7	2	1	— 1	— 1	—
	17	1	3	— 2	1	— 5	— 3	— 2	— 3	— 5	— 5	— 3	3	—
	18	0	0	0	— 1	7	1	6	5	4	3	1	— 1	—
	19	— 1	— 7	— 5	— 4	1	1	8	12	8	5	0	5	—
	20	0	2	1	— 1	— 1	— 3	— 2	3	4	2	1	3	—
	21	— 2	1	3	2	3	0	1	2	2	3	3	1	—
	22	2	3	1	2	2	5	7	10	11	6	1	0	—
	23	0	— 1	2	1	— 1	2	12	6	4	— 3	— 8	— 6	—
	24	0	1	2	2	1	0	— 3	— 1	0	— 5	2	5	—
	25	3	2	2	— 1	— 3	— 9	— 8	— 2	2	0	— 9	8	—
	26	— 20	— 6	— 4	3	3	13	5	12	7	— 1	6	— 2	—
	27	— 1	1	3	5	— 1	2	10	7	— 3	— 6	— 3	— 1	—
	28	1	— 2	0	1	— 2	— 4	— 1	3	1	— 5	— 10	— 2	—
	29	1	1	0	1	0	0	— 5	1	— 4	— 1	0	0	—
	30	— 2	— 1	0	2	2	0	— 4	0	0	— 4	— 7	— 1	—

Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily Amount	
J U N E	1	— 5	— 10	— 14	— 8	2	— 1	0	— 1	1	1	2	0	115	
	2	2	2	2	1	1	— 4	— 3	— 1	— 1	0	— 1	0	64	
	3	— 4	— 1	— 4	— 3	3	0	0	1	0	— 1	— 1	0	47	
	4	— 4	— 3	0	2	3	— 6	— 9	— 7	— 2	— 1	— 1	— 2	85	
	5	— 9	— 6	— 4	— 4	— 4	— 4	— 3	0	5	0	4	2	102	
	6	— 7	— 11	— 9	— 1	— 1	— 2	0	2	2	3	3	1	90	
	7	3	7	9	3	0	— 4	— 3	— 5	— 4	— 2	0	1	65	
	8	2	0	2	4	5	2	0	0	1	— 2	0	— 1	43	
	9	7	5	5	6	5	— 1	— 8	— 7	— 7	— 7	— 4	— 4	107	
	10	— 5	— 3	4	0	0	— 6	— 6	— 4	— 4	— 1	2	3	90	
	11	7	— 1	— 2	— 4	— 4	— 2	3	— 2	1	— 2	1	0	65	
	12	12	7	8	1	1	— 2	— 4	— 6	— 6	— 6	— 4	— 2	112	
	13	— 5	1	— 4	1	5	0	3	— 3	— 1	— 2	— 3	— 5	53	
	14	7	8	3	2	— 4	— 2	0	1	— 2	— 2	— 2	— 2	63	
	15	5	9	4	0	— 3	— 1	— 2	— 1	— 1	0	— 2	— 2	47	
	16	— 3	— 7	— 10	— 5	— 4	— 1	1	3	6	1	4	3	75	
	17	5	5	0	— 4	— 2	3	4	2	1	— 3	— 3	— 2	70	
	18	— 2	— 4	— 3	3	0	— 3	1	— 3	— 2	— 4	— 3	— 4	61	
	19	0	— 1	4	2	— 5	— 10	— 5	— 1	— 3	— 3	3	2	96	
	20	4	5	11	1	2	0	— 1	2	— 22	— 7	— 6	— 7	91	
	21	2	— 1	— 1	— 1	— 4	— 5	— 4	— 6	— 4	— 4	2	2	59	
	22	— 8	— 8	— 6	3	3	— 4	— 3	— 3	0	— 5	— 5	1	99	
	23	— 6	— 5	— 4	0	2	— 1	1	2	3	5	4	1	80	
	24	6	1	— 2	— 1	— 4	— 4	— 3	— 2	— 2	— 3	— 1	2	53	
	25	2	11	4	4	6	23	5	6	3	3	— 15	— 21	152	
	26	— 4	2	— 1	— 3	— 3	— 3	— 2	— 1	1	1	— 1	— 1	105	
	27	— 5	— 6	— 3	— 5	— 3	— 3	— 2	1	5	4	3	5	4	89
	28	— 1	4	6	3	7	— 6	— 4	— 1	0	1	1	1	1	67
	29	4	6	8	1	2	— 5	— 2	— 2	— 1	0	1	0	46	
	30	5	7	3	2	— 3	— 6	— 3	— 2	— 2	— 1	2	4	63	
Hourly Amount.		141	147	140	78	91	113	84	82	92	74	86	80	2354	

HORIZONTAL FORCE. D.
DEVIATIONS. — UNITY = 0.00001 C. G. S.

Mean Batavia Time.	1 A.M.	2	3	4	5	6	7	8	9	10	11	12	—	
JUNE.	1	1	5	5	9	10	7	9	9	7	6	3	—	
	2	5	6	0	0	— 1	— 2	— 1	— 2	0	— 2	— 2	—	
	3	— 7	— 3	0	— 5	— 8	— 5	0	6	4	5	1	—	
	4	6	2	1	6	6	2	1	— 7	— 8	— 16	4	—	
	5	— 5	— 1	5	1	0	3	1	5	11	6	— 1	—	
	6	— 3	0	1	— 5	— 8	— 8	— 1	— 2	6	8	3	—	
	7	— 2	— 1	— 5	— 3	— 1	0	2	8	5	3	0	—	
	8	0	2	0	0	4	— 1	— 2	— 5	— 2	8	11	—	
	9	3	— 43	2	2	3	6	9	12	6	0	— 3	—	
	10	0	0	0	1	13	10	12	12	12	— 5	— 5	—	
	11	— 4	— 4	— 7	— 4	— 5	— 2	2	2	— 2	— 7	— 4	—	
	12	— 2	— 3	— 3	3	6	6	5	8	8	12	0	—	
	13	0	— 1	— 3	— 1	0	— 1	1	4	8	4	4	—	
	14	0	— 1	0	1	0	— 5	— 8	— 3	10	— 2	— 4	—	
	15	— 2	2	0	1	0	1	6	14	19	17	7	—	
	16	3	4	3	0	0	1	— 14	— 9	— 1	1	— 6	—	
	17	— 1	1	0	— 2	1	1	0	2	0	1	3	—	
	18	— 5	— 1	0	— 3	— 8	— 3	— 6	2	7	8	5	—	
	19	— 1	11	— 7	— 3	— 2	— 6	— 7	— 8	— 11	— 1	0	—	
	20	5	5	0	4	3	1	2	5	4	0	— 6	—	
	21	9	12	9	8	5	— 1	1	— 4	— 11	— 10	4	—	
	22	4	7	9	8	13	14	8	8	4	1	— 1	—	
	23	14	16	10	— 4	18	7	— 7	— 1	— 17	— 4	— 1	—	
	24	0	— 2	— 3	— 4	— 4	— 4	— 4	— 4	— 6	3	3	—	
	25	13	15	10	15	17	52	42	— 5	— 30	— 41	1	—	
	26	7	34	20	51	40	31	27	16	2	— 17	— 27	—	
	27	1	— 5	— 10	— 3	— 5	— 8	— 9	— 10	— 8	— 2	1	—	
	28	— 2	2	1	2	5	2	— 3	— 4	— 2	2	14	—	
	29	1	3	1	3	2	4	2	— 1	— 5	— 3	1	—	
	30	0	1	1	0	0	2	— 1	— 5	— 2	— 3	— 4	—	
Hourly Amount.	106	193	116	152	188	196	200	182	216	197	147	177	—	
Mean Batavia Time.	1 P.M.	2	3	4	5	6	7	8	9	10	11	12	Daily Amount.	
JUNE.	1	4	4	— 2	— 9	— 14	— 9	1	3	8	11	10	9	164
	2	— 1	3	9	4	6	3	— 4	— 10	— 13	— 9	— 2	— 3	100
	3	3	3	1	0	3	6	3	4	5	9	12	7	101
	4	4	12	— 7	— 5	— 5	— 9	— 16	3	— 9	— 2	1	0	133
	5	— 2	2	1	— 4	— 3	0	4	1	— 1	3	4	0	64
	6	2	1	1	— 3	— 4	4	3	2	0	1	3	1	78
	7	— 2	— 5	— 4	1	2	1	— 1	0	0	0	1	0	49
	8	— 1	— 4	— 4	— 2	— 1	1	— 1	0	— 1	0	0	— 2	61
	9	— 15	— 14	— 9	— 6	— 7	2	5	6	4	1	3	2	172
	10	— 6	0	7	6	— 18	5	9	7	8	8	— 2	— 5	157
	11	5	— 1	7	9	9	9	— 7	— 10	— 7	— 2	1	— 2	113
	12	— 16	— 11	— 7	— 5	1	— 8	— 1	2	1	4	0	— 1	121
	13	— 5	0	— 2	— 5	— 1	— 1	— 2	2	4	2	1	0	54
	14	0	3	4	3	3	1	— 4	— 4	— 6	— 5	— 4	0	72
	15	— 9	— 11	— 14	— 4	— 2	0	1	1	2	4	7	4	136
	16	12	4	1	1	4	3	2	7	— 3	— 4	— 1	— 2	95
	17	— 4	— 11	— 6	— 4	— 3	— 5	— 6	— 2	— 2	1	4	0	60
	18	6	4	2	5	7	7	3	2	1	3	2	3	101
	19	— 1	7	4	3	5	10	0	— 3	0	7	5	2	106
	20	11	0	— 21	— 17	— 22	— 23	— 30	— 37	0	2	22	20	245
	21	16	2	1	0	0	1	0	3	— 1	— 3	— 2	1	107
	22	— 10	— 11	— 8	— 16	— 24	— 22	— 9	— 7	— 3	9	13	14	241
	23	3	9	6	— 4	— 8	0	— 2	— 4	— 1	0	4	2	144
	24	3	0	— 5	— 7	— 1	7	5	6	8	19	20	17	140
	25	— 4	— 18	— 11	— 14	— 16	— 56	— 10	— 27	— 38	— 41	— 3	3	494
	26	— 41	— 46	— 17	2	9	17	13	11	12	13	11	5	507
	27	9	6	8	4	3	6	3	3	2	0	3	2	120
	28	— 14	— 13	— 11	— 9	— 5	6	5	2	— 2	— 1	1	0	114
	29	2	4	4	2	— 3	1	2	0	— 3	2	4	2	58
	30	— 3	4	6	0	— 1	3	1	1	— 1	1	— 6	— 8	58
Hourly Amount.	217	213	190	154	190	226	153	170	146	167	152	117	4165	

VERTICAL FORCE. D.
DEVIATIONS. — UNITY = 0.00001 C. G. S.

Mean Batavia Time.	1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—	
J U N E.	1	34	25	20	16	13	11	10	1	1	1	2	3	—
	2	— 2	2	5	4	4	3	0	—10	2	13	16	3	—
	3	2	— 2	— 3	0	2	— 3	— 4	— 3	— 1	5	6	5	—
	4	0	0	0	— 4	— 6	— 4	—13	—10	— 4	7	2	11	—
	5	— 2	— 1	— 4	— 1	0	— 5	— 3	— 6	— 8	— 5	5	8	—
	6	0	— 2	— 2	2	2	— 3	— 6	— 4	— 2	— 3	4	3	—
	7	1	2	4	3	1	2	— 5	—17	—13	1	4	0	—
	8	— 2	— 1	0	0	1	4	0	4	— 2	— 4	— 3	3	—
	9	— 1	— 2	— 1	— 1	— 3	— 3	— 8	— 5	— 7	— 4	0	4	—
	10	— 3	— 3	— 3	— 5	— 8	— 9	— 9	— 5	— 4	8	7	3	—
	11	— 2	0	2	— 2	0	0	— 2	— 7	— 3	7	6	4	—
	12	— 4	— 2	— 1	— 5	— 4	— 3	— 4	0	— 1	— 6	— 8	1	—
	13	1	3	6	6	8	11	17	—11	—12	— 3	— 2	5	—
	14	— 4	— 6	— 7	—10	— 9	— 4	— 3	— 1	— 9	— 7	1	7	—
	15	— 3	— 6	— 6	— 5	— 3	— 6	—12	—14	— 8	— 3	1	6	—
	16	1	— 1	— 2	— 2	— 3	— 6	1	1	1	— 1	4	—10	—
	17	2	0	— 1	— 2	— 3	— 3	— 7	0	— 5	— 9	— 6	— 3	—
	18	5	5	0	3	4	0	4	— 9	— 9	— 3	0	— 2	—
	19	— 2	— 5	6	4	1	0	— 1	1	6	5	— 1	1	—
	20	— 1	1	5	0	3	3	— 1	— 1	1	9	10	— 6	—
	21	— 4	— 4	— 5	— 3	— 2	0	— 6	— 4	0	0	— 6	—11	—
	22	— 6	— 8	— 8	— 8	—11	—15	—11	1	3	3	5	13	—
	23	—14	—12	— 7	4	—13	1	8	4	23	18	10	— 5	—
	24	1	3	5	6	5	5	1	— 5	— 6	—10	—10	— 3	—
	25	— 9	— 7	— 4	— 9	— 8	—27	—22	2	27	34	— 3	8	—
	26	—10	—28	—19	—36	—28	—22	—10	5	18	21	16	13	—
	27	1	5	5	0	— 2	— 2	— 6	— 5	— 3	— 7	—11	— 4	—
	28	— 5	— 4	— 5	— 6	— 6	— 5	— 5	0	0	6	6	6	—
	29	1	1	— 2	— 4	— 2	— 2	— 6	— 3	— 9	— 5	— 7	— 9	—
	30	0	0	2	3	4	7	10	8	4	3	3	— 4	—

Hourly Amount.	123	141	140	154	159	169	195	147	192	211	165	164	—
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Mean Batavia time.	1 P.M.	2	3	4	5	6	7	8	9	10	11	12	Daily Amount	
J U N E.	1	7	10	6	— 3	— 5	2	— 8	— 9	— 7	— 5	— 4	— 3	206
	2	— 4	— 2	— 6	—11	— 5	— 4	1	2	5	4	— 2	— 1	111
	3	2	— 7	—11	— 5	—11	— 4	— 1	1	3	2	0	1	84
	4	12	9	12	6	2	6	6	— 3	0	1	— 4	— 2	124
	5	5	— 3	— 3	0	5	0	— 2	— 2	— 1	— 3	— 4	0	76
	6	7	8	— 2	1	3	1	— 1	0	1	1	0	3	61
	7	1	10	9	2	2	2	0	— 2	— 2	— 6	— 4	— 3	96
	8	4	— 1	— 5	— 2	1	2	2	1	2	— 1	0	4	49
	9	8	7	— 2	— 2	0	3	3	2	0	— 2	— 2	— 3	73
	10	3	5	—11	— 5	18	4	— 3	— 2	— 2	— 3	2	3	128
	11	0	5	— 1	1	0	— 2	8	7	4	0	— 6	0	69
	12	5	7	7	2	— 4	3	3	3	6	4	4	4	91
	13	8	— 3	— 5	— 7	— 8	— 5	— 2	— 4	— 4	— 1	— 2	— 2	136
	14	10	9	14	14	11	6	5	4	5	3	1	— 4	154
	15	3	1	6	0	— 1	0	— 1	1	2	3	— 1	2	94
	16	— 9	1	3	2	— 6	— 4	— 1	— 3	3	9	4	6	84
	17	10	10	6	0	1	5	3	4	4	2	1	4	91
	18	— 4	1	— 1	— 3	— 5	— 4	— 3	— 6	— 4	— 5	— 3	— 2	85
	19	1	1	— 4	— 5	— 6	— 3	— 1	0	0	— 5	— 3	0	62
	20	—15	— 7	1	4	8	14	15	19	0	— 4	—17	—13	158
	21	—14	0	7	5	5	4	5	0	0	— 2	— 3	— 7	97
	22	13	13	6	7	19	17	4	3	— 1	—11	—12	—13	211
	23	— 8	—16	—10	— 2	2	— 1	2	1	1	0	1	2	165
	24	10	12	10	8	5	— 2	— 4	— 3	— 7	—13	—15	—10	159
	25	2	10	— 1	11	11	26	8	16	21	24	— 2	— 6	298
	26	16	9	— 6	—18	—12	— 7	— 5	— 1	— 2	2	3	5	312
	27	8	13	11	5	0	— 4	— 1	— 2	4	3	— 4	— 6	112
	28	11	— 4	— 5	1	5	— 2	0	0	2	2	2	3	91
	29	5	8	8	5	— 2	1	1	0	3	— 1	0	1	86
	30	— 4	—10	—13	—14	—10	— 5	— 1	1	3	3	5	8	125

Hourly Amount.	209	202	192	151	173	143	100	102	99	125	111	121	3688
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EASTERLY DECLINATION. D.
DEVIATIONS. — UNITY = 0'.1.

Mean Batavia Time.	1 A.M.	2	3	4	5	6	7	8	9	10	11	12	—	
JULY.	1	6	3	3	2	1	— 2	— 5	— 4	— 4	— 4	0	5	—
	2	8	— 5	5	8	— 2	— 3	— 4	— 7	— 6	— 6	— 2	4	—
	3	1	1	0	— 1	— 4	— 5	— 5	— 3	— 5	0	5	6	—
	4	2	3	6	5	2	— 2	— 3	— 2	0	7	3	2	—
	5	— 1	— 1	— 1	— 2	— 4	— 4	— 5	1	4	1	1	6	—
	6	— 2	0	— 1	— 1	— 10	— 9	0	10	7	6	8	7	—
	7	— 7	— 6	— 2	1	1	0	1	8	5	3	2	0	—
	8	— 3	— 5	— 5	— 5	— 1	— 3	— 1	1	0	2	9	1	—
	9	— 3	— 4	— 3	— 4	— 3	— 5	— 3	— 5	— 3	— 3	0	9	—
	10	0	1	1	— 3	— 3	— 6	— 7	— 6	— 4	— 4	3	2	—
	11	— 2	— 4	1	1	— 1	— 5	— 8	— 12	— 11	— 4	3	11	—
	12	5	3	1	1	0	— 3	2	1	1	— 8	— 10	— 4	—
	13	— 1	1	2	0	1	0	2	— 5	— 4	— 3	— 11	10	—
	14	2	2	1	0	0	— 1	1	— 7	— 11	— 12	4	12	—
	15	2	2	3	3	2	2	3	— 6	4	— 2	— 5	— 7	—
	16	3	4	1	3	0	— 2	— 7	— 6	— 10	— 9	3	7	—
	17	1	— 5	— 1	2	3	3	8	10	4	1	0	— 2	—
	18	4	0	— 2	— 1	1	7	6	— 3	12	4	2	— 2	—
	19	— 2	0	— 6	1	1	— 1	2	6	10	9	2	— 6	—
	20	— 1	— 2	1	0	2	0	2	1	— 4	— 3	5	4	—
	21	0	0	2	2	3	6	7	8	3	0	— 5	— 4	—
	22	6	5	8	5	2	— 2	— 7	— 8	— 8	— 4	0	1	—
	23	3	2	4	5	3	4	5	8	5	1	1	— 6	—
	24	3	2	1	0	0	0	— 2	— 1	— 4	— 2	— 2	— 1	—
	25	— 1	— 1	0	— 3	0	2	4	6	13	8	6	2	—
	26	1	— 3	0	3	2	7	2	4	7	— 5	0	— 1	—
	27	3	1	0	— 1	— 1	— 1	— 4	— 5	— 2	2	— 2	— 7	—
	28	7	7	4	3	1	0	— 3	— 6	— 1	— 1	— 2	— 10	—
	29	1	2	1	0	— 1	4	7	7	0	1	1	0	—
	30	— 1	— 1	0	2	3	4	3	8	1	2	— 3	— 2	—
	31	0	1	1	— 1	— 2	— 1	1	— 2	1	— 3	4	6	—
Hourly Amount.	82	77	67	69	60	94	120	167	154	120	104	147	—	
Mean Batavia Time.	1 P.M.	2	3	4	5	6	7	8	9	10	11	12	Daily Amount	
JULY.	1	3	3	4	1	— 5	— 8	— 8	— 6	— 1	0	7	9	94
	2	9	11	6	— 1	— 8	— 3	— 1	0	1	0	1	0	101
	3	7	10	8	2	0	— 5	— 5	— 4	— 5	— 3	1	1	91
	4	7	4	6	— 2	0	— 12	— 7	— 5	— 2	1	— 1	1	85
	5	7	7	10	— 1	3	0	3	— 3	— 6	— 5	— 5	— 5	86
	6	0	— 3	— 2	7	1	0	6	1	— 6	— 5	— 4	— 5	101
	7	— 2	2	— 5	— 1	3	0	0	— 1	2	2	— 1	— 1	56
	8	1	2	6	7	5	— 2	— 1	— 2	— 2	— 3	— 2	— 2	71
	9	14	18	13	5	— 7	— 5	— 4	— 3	— 4	— 1	— 3	2	124
	10	9	11	10	4	1	0	— 1	— 3	— 1	— 2	— 2	3	87
	11	12	13	4	0	0	1	3	— 2	— 7	— 1	— 3	0	109
	12	2	3	2	— 1	— 1	0	— 1	0	1	2	2	1	55
	13	16	14	— 5	— 4	— 3	0	0	— 1	0	— 4	0	1	88
	14	12	7	— 6	3	1	— 4	— 2	— 2	— 1	— 2	— 2	2	97
	15	— 2	2	1	0	— 4	— 5	0	— 1	4	2	2	0	64
	16	8	8	4	— 2	0	1	— 3	— 2	— 1	— 2	— 1	0	87
	17	— 3	— 8	— 11	— 11	— 5	0	— 2	— 1	— 1	1	1	2	86
	18	— 2	— 4	— 1	— 2	— 2	— 3	— 1	— 7	0	— 1	— 1	— 1	69
	19	— 4	— 3	— 5	1	2	2	1	1	— 3	— 2	— 2	0	72
	20	4	3	4	0	— 2	— 3	— 6	— 4	— 7	— 4	— 1	— 1	64
	21	— 2	— 4	— 4	— 3	— 7	— 5	— 2	— 2	1	4	5	— 1	80
	22	0	1	— 2	0	— 1	— 5	— 1	— 1	— 2	— 1	0	1	71
	23	— 6	— 9	— 12	— 4	— 1	— 6	0	1	3	3	5	5	102
	24	1	1	— 1	— 1	— 2	— 1	1	— 1	— 1	0	— 1	— 1	30
	25	8	— 18	0	— 4	— 4	— 3	— 1	0	4	2	— 3	— 3	96
	26	— 7	— 8	— 9	0	0	0	2	1	4	4	4	4	78
	27	8	1	4	3	0	0	0	1	0	5	4	5	60
	28	— 11	— 5	— 3	— 4	— 2	4	4	5	2	— 1	— 3	0	89
	29	3	— 2	— 4	— 1	0	— 4	— 2	0	— 1	— 2	— 2	— 1	47
	30	— 4	— 5	— 10	— 4	1	— 1	— 2	0	1	1	1	4	64
	31	4	6	7	— 1	— 7	— 9	— 7	— 5	— 5	— 4	— 3	— 3	84
Hourly Amount.	178	196	169	80	78	92	77	67	78	72	75	65	2488	

HORIZONTAL FORCE. D.

DEVIATIONS. — UNITY = 0.00001 C. G. S.

Mean Batavia Time.	1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—	
JULY.	1	— 5	— 3	— 2	— 3	— 5	— 6	— 5	— 2	3	9	4	7	—
	2	—30	— 7	—17	—12	—10	— 7	— 6	— 4	— 3	0	— 7	— 8	—
	3	— 2	— 1	— 1	— 2	— 1	— 3	— 2	1	0	1	— 2	4	—
	4	— 3	— 6	—10	—11	— 8	—10	—11	— 3	— 2	—12	— 9	4	—
	5	— 4	— 7	— 8	— 7	— 7	— 4	—12	—15	— 7	— 6	8	5	—
	6	—10	— 5	4	3	3	9	7	5	11	0	—11	—14	—
	7	2	— 2	— 2	— 4	— 4	— 5	— 5	— 5	— 4	0	— 5	4	—
	8	3	2	0	— 1	7	5	2	— 1	— 3	2	— 4	1	—
	9	4	— 3	— 1	— 2	— 3	— 7	— 5	— 8	— 6	— 3	2	7	—
	10	1	— 1	2	4	1	0	— 5	— 2	— 6	0	7	5	—
	11	1	— 3	— 6	2	— 4	1	0	0	— 1	— 6	8	2	—
	12	— 9	— 6	— 2	— 6	— 6	0	2	— 2	— 5	1	— 1	— 2	—
	13	4	— 2	— 1	5	4	2	4	1	1	0	— 4	— 1	—
	14	— 4	— 3	— 5	— 4	— 5	— 2	— 4	—10	— 5	9	11	4	—
	15	— 3	— 2	— 4	— 5	— 7	— 6	— 6	— 7	— 8	— 3	0	6	—
	16	1	— 2	0	— 1	0	0	0	1	2	2	— 6	— 8	—
	17	8	11	3	3	— 3	— 1	1	— 3	— 3	— 1	6	2	—
	18	— 3	7	21	47	48	1	3	—23	—18	— 7	— 2	— 5	—
	19	—12	— 5	— 2	—10	—11	1	— 4	5	4	— 5	—10	— 7	—
	20	6	8	5	2	— 1	0	— 1	— 7	— 5	2	6	4	—
	21	— 1	— 2	— 4	— 3	— 4	— 5	— 2	3	5	0	5	— 1	—
	22	— 7	—10	—17	—23	—22	—33	—39	— 2	1	1	7	8	—
	23	15	14	15	11	16	16	24	—14	—17	— 9	—14	— 6	—
	24	— 2	— 1	0	2	7	5	5	7	4	5	4	2	—
	25	9	5	2	0	— 7	3	5	— 1	— 2	— 4	—15	—11	—
	26	— 8	3	— 1	— 5	0	1	2	— 6	— 7	— 1	8	3	—
	27	— 2	— 1	4	4	6	6	7	3	— 4	0	— 7	5	—
	28	3	— 1	— 1	1	— 8	5	7	8	9	— 4	— 5	— 3	—
	29	3	3	— 3	2	2	— 5	— 2	— 1	— 2	— 3	4	— 2	—
	30	— 1	— 1	4	6	7	— 5	— 8	0	—10	— 7	3	5	—
	31	— 1	— 1	— 3	— 3	— 5	— 5	— 6	— 4	— 6	— 6	— 2	1	—
Hourly Amount.	167	128	150	194	222	159	192	154	164	109	187	147	—	
Mean Batavia Time.	1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily Amount.	
JULY.	1	10	6	13	22	17	16	14	13	12	11	—14	—23	225
	2	— 3	0	3	4	5	3	0	2	3	3	4	2	143
	3	9	2	2	2	3	3	3	4	— 2	0	— 3	— 5	58
	4	8	15	16	24	22	20	12	2	— 8	— 1	— 8	— 8	233
	5	15	9	14	15	11	4	— 4	7	6	4	0	— 2	181
	6	—11	3	— 2	3	—10	0	— 4	— 8	1	4	6	2	136
	7	5	1	— 1	— 2	— 4	2	4	1	3	0	4	2	71
	8	— 3	—11	—13	—13	— 2	2	— 2	8	1	1	6	3	96
	9	9	7	7	10	0	— 1	2	0	2	— 1	— 2	— 5	97
	10	4	— 1	— 1	1	1	— 1	0	— 2	— 4	— 3	1	— 1	54
	11	1	2	11	20	19	3	—10	— 6	5	— 5	— 1	— 7	124
	12	4	— 2	3	1	3	1	1	6	3	3	3	6	78
	13	— 3	— 3	— 3	— 4	0	6	5	4	4	— 5	— 8	—10	84
	14	2	6	— 2	— 4	— 3	3	3	3	2	3	6	1	104
	15	14	9	5	3	6	6	1	4	— 3	2	1	1	112
	16	— 6	— 3	— 5	— 1	— 3	— 2	— 2	— 2	— 3	— 3	— 1	0	54
	17	5	— 3	— 4	1	— 2	— 8	— 5	— 3	— 4	— 2	1	— 2	85
	18	— 8	— 8	— 4	11	16	2	15	7	— 4	— 9	—13	—19	301
	19	— 3	8	16	10	— 5	—15	— 9	— 5	5	6	3	1	162
	20	3	1	0	— 3	— 4	— 2	1	1	0	— 1	— 2	— 4	69
	21	— 4	0	1	6	6	8	8	6	1	— 4	—11	— 5	95
	22	11	10	11	15	14	17	9	4	3	6	11	16	297
	23	—13	—11	—10	— 5	— 5	0	0	— 8	—11	— 8	— 3	— 1	246
	24	— 2	— 4	— 5	— 6	— 8	— 1	0	2	7	8	3	6	96
	25	6	20	— 4	2	6	— 3	— 3	7	— 9	— 8	—20	0	152
	26	2	5	8	4	3	5	4	1	— 3	— 7	— 4	1	92
	27	— 9	— 9	— 6	— 2	— 4	1	7	8	4	6	2	— 1	108
	28	1	4	—10	—12	—11	— 7	— 7	— 1	1	2	12	5	128
	29	10	8	9	7	0	0	— 2	— 2	— 3	— 2	2	— 1	78
	30	8	7	— 3	5	— 3	— 2	— 2	— 1	— 2	— 2	— 4	— 5	101
	31	3	2	4	6	4	0	— 2	— 2	— 2	— 6	— 7	— 4	85
Hourly Amount.	195	180	196	224	200	144	141	130	121	126	166	149	3945	

VERTICAL FORCE. D.

DEVIATIONS. — UNITY = 0.00001 C. G. S.

Mean Batavia Time.		1 A.M.	2	3	4	5	6	7	8	9	10	11	12	—
JULY.	1	4	5	4	5	7	10	8	4	— 2	— 5	— 6	—10	—
	2	19	6	10	4	4	6	3	4	4	5	— 1	— 3	—
	3	3	4	3	4	4	8	3	— 9	— 6	— 5	— 2	— 4	—
	4	— 1	3	6	7	4	6	6	1	— 7	— 1	6	— 2	—
	5	4	8	8	8	5	6	5	3	— 2	— 9	—10	— 6	—
	6	1	— 2	— 9	— 8	— 1	— 8	—14	—10	— 7	—10	8	23	—
	7	— 1	1	2	2	5	6	1	3	3	0	— 4	— 5	—
	8	2	1	2	5	0	1	1	— 9	— 8	—10	— 2	— 2	—
	9	— 1	4	3	3	6	7	4	2	1	— 3	— 3	— 5	—
	10	— 1	— 1	— 1	— 1	0	3	0	3	1	— 4	—12	— 3	—
	11	— 4	0	1	— 5	1	0	5	4	3	4	— 1	1	—
	12	5	2	2	6	10	9	12	— 6	6	14	18	5	—
	13	0	2	— 3	— 7	— 7	— 5	— 4	6	0	— 3	4	3	—
	14	— 2	— 2	— 1	— 2	— 4	— 3	2	27	17	5	— 9	—10	—
	15	4	4	3	4	5	4	3	— 7	— 1	1	12	14	—
	16	1	6	2	3	0	2	4	11	5	2	0	— 5	—
	17	— 1	— 8	— 1	— 2	0	— 3	— 9	—13	—10	— 7	— 3	11	—
	18	1	— 5	—13	—19	—24	11	6	9	4	— 3	6	3	—
	19	12	7	7	12	13	5	9	—16	—10	— 7	2	0	—
	20	— 2	— 4	— 1	1	3	2	4	5	4	— 7	— 8	1	—
	21	1	3	6	6	5	6	0	— 3	— 1	0	—15	—14	—
	22	— 2	1	4	10	8	17	17	12	— 1	2	— 6	— 9	—
	23	1	5	3	8	6	8	5	— 7	— 2	— 1	6	— 2	—
	24	— 2	— 1	1	1	— 2	0	— 1	4	2	0	— 7	— 7	—
	25	— 9	— 9	— 5	— 3	1	—12	—16	— 5	— 3	1	16	20	—
	26	4	— 5	0	4	5	6	8	— 1	— 2	— 4	— 4	— 3	—
	27	— 1	— 1	— 4	— 2	— 3	1	— 1	— 1	— 6	2	6	4	—
	28	— 2	— 2	— 2	— 2	1	— 8	—15	— 4	1	8	17	11	—
	29	— 5	— 4	2	0	0	1	— 2	4	8	6	1	— 6	—
	30	— 5	— 8	—10	— 9	— 9	— 2	0	15	13	16	21	25	—
	31	7	8	10	12	12	13	16	7	— 1	1	—15	—12	—

Hourly Amount.	108	122	129	165	155	179	184	215	141	146	231	229	—
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Mean Batavia Time.	1 P.M.	2	3	4	5	6	7	8	9	10	11	12	Daily Amount.
JULY.	1	— 6	— 5	— 4	—13	—13	— 9	—10	—10	— 7	12	18	187
	2	0	— 9	— 5	3	— 3	— 4	— 3	— 5	— 2	— 3	— 1	108
	3	— 3	1	— 2	10	2	2	— 2	— 4	— 2	— 4	— 3	91
	4	— 1	— 1	—13	—10	— 7	— 7	— 6	— 3	— 1	2	4	113
	5	— 7	— 3	— 5	1	3	3	8	— 3	— 1	0	1	111
	6	22	14	13	— 1	5	— 2	— 3	1	— 3	— 7	— 8	182
	7	— 8	— 5	2	— 2	— 3	2	1	2	3	4	— 1	68
	8	— 2	13	7	6	— 4	— 1	0	— 2	1	0	— 1	81
	9	— 6	— 4	— 5	3	10	5	1	— 3	— 2	— 1	2	85
	10	— 8	— 6	0	3	5	4	3	2	2	1	— 4	71
	11	3	— 7	— 5	—10	— 4	— 2	9	4	1	3	0	81
	12	—10	—19	—24	—17	—12	— 5	— 5	— 6	0	2	0	196
	13	1	0	10	— 2	— 4	— 3	— 3	— 2	— 3	4	5	86
	14	— 8	—18	— 3	3	6	0	— 2	— 1	1	2	1	130
	15	—13	—24	— 9	2	— 3	— 6	— 3	— 4	— 2	1	2	133
	16	—14	—13	— 5	1	— 4	— 4	— 2	1	2	6	6	105
	17	13	28	29	20	6	0	— 4	— 8	— 5	— 6	— 7	196
	18	1	6	— 4	— 8	— 9	— 1	— 6	— 8	— 1	7	12	187
	19	— 2	— 6	— 9	— 4	8	10	1	— 3	— 6	— 6	— 4	159
	20	— 2	0	0	— 2	— 2	3	2	2	2	0	1	62
	21	— 2	3	5	0	— 5	— 3	— 4	— 2	2	5	1	92
	22	— 7	— 6	—14	— 7	— 5	— 5	— 1	0	0	1	— 1	137
	23	— 3	— 6	— 2	— 9	— 8	— 7	— 1	3	7	0	— 6	110
	24	—10	— 2	1	6	8	6	3	2	— 1	— 3	— 3	80
	25	10	1	— 2	— 2	— 7	7	9	0	10	7	19	179
	26	— 1	— 4	—10	—13	— 8	— 7	— 3	1	8	8	6	119
	27	4	— 2	— 6	— 5	0	1	— 1	1	1	0	1	56
	28	1	—11	— 1	8	3	1	6	3	0	2	— 6	115
	29	—11	— 8	—10	— 7	1	7	4	2	7	3	0	103
	30	5	— 7	— 7	—15	—19	— 5	— 8	— 5	— 5	— 3	— 1	218
	31	—22	—16	—12	—11	— 8	— 7	— 4	— 5	— 5	— 5	— 7	221
Hourly Amount.	206	248	224	204	180	131	117	100	96	100	127	125	3862

EASTERLY DECLINATION. D.

DEVIATIONS. - UNITY = 0'.1.

Mean Batavia Time.	1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—	
AUGUST.	1	1	6	8	4	3	1	— 2	0	5	5	4	13	—
	2	—16	— 7	—11	—10	— 7	— 8	— 4	4	6	11	14	2	—
	3	— 5	— 1	— 5	— 4	— 7	1	— 2	10	8	6	— 7	— 5	—
	4	— 2	— 2	1	0	— 2	0	— 1	3	— 1	3	— 3	— 1	—
	5	1	3	— 2	— 2	2	2	12	0	1	1	— 4	1	—
	6	— 2	— 4	0	— 1	1	2	0	4	0	5	7	2	—
	7	— 1	0	0	1	4	5	1	— 5	5	6	2	5	—
	8	— 1	— 1	— 5	1	1	— 5	11	9	4	4	3	3	—
	9	— 6	— 3	2	— 3	— 1	3	7	3	0	— 1	2	— 2	—
	10	— 5	— 4	— 2	— 3	— 3	3	4	2	10	11	13	9	—
	11	1	3	1	3	1	0	— 6	5	3	3	0	— 6	—
	12	— 2	— 2	— 3	— 4	— 3	— 1	— 3	5	3	8	2	0	—
	13	— 2	— 3	— 3	— 3	— 2	— 4	2	1	3	— 2	— 2	— 2	—
	14	2	1	1	1	2	0	— 1	1	— 1	2	— 3	—13	—
	15	1	2	— 1	0	0	— 2	2	4	2	1	— 2	— 7	—
	16	1	— 1	— 3	— 3	— 2	— 2	— 5	— 2	4	8	1	2	—
	17	— 1	2	2	1	— 1	3	0	— 2	0	— 2	— 3	— 2	—
	18	0	— 3	— 2	— 1	— 2	4	5	6	2	2	— 3	— 3	—
	19	3	1	2	— 3	— 3	0	4	6	5	— 1	— 5	— 6	—
	20	1	1	— 1	2	— 4	— 2	— 4	— 8	— 4	— 5	3	2	—
	21	0	2	— 2	— 3	0	— 3	— 6	— 9	—13	— 3	0	2	—
	22	— 1	— 3	— 4	— 4	2	6	1	1	— 4	— 7	— 3	— 2	—
	23	2	0	3	1	— 2	6	4	— 5	— 9	— 9	— 3	— 2	—
	24	1	0	— 1	— 1	3	6	4	4	1	2	— 5	—12	—
	25	3	3	4	4	3	4	0	— 3	— 6	— 5	— 3	—10	—
	26	1	1	0	— 1	0	2	— 6	— 5	— 4	— 7	—10	—12	—
	27	1	— 2	1	1	2	4	— 4	— 7	—16	— 9	— 7	6	—
	28	0	1	2	2	1	8	— 1	— 4	— 5	— 3	4	1	—
	29	0	— 2	— 9	— 5	— 2	4	1	— 4	— 6	— 5	1	—11	—
	30	— 2	— 7	— 1	—11	— 1	2	1	— 4	— 3	— 9	4	0	—
	31	3	2	— 5	— 2	3	0	— 6	— 2	— 2	2	1	— 9	—
Hourly Amount.	68	73	87	85	70	93	110	128	136	148	124	153	—	
Mean Batavia Time.	1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily Amount.	
AUGUST.	1	— 7	— 9	—13	—13	— 1	20	6	11	3	1	— 1	138	
	2	9	9	4	0	— 4	— 1	— 1	— 5	— 2	— 4	— 3	145	
	3	— 1	9	12	0	— 5	— 2	— 1	0	2	5	1	102	
	4	0	—10	— 1	— 6	2	5	0	1	0	— 1	— 2	48	
	5	— 3	0	— 2	1	1	— 4	— 3	1	2	0	— 2	52	
	6	— 1	— 3	0	5	— 1	— 6	— 4	— 3	— 2	— 1	0	57	
	7	1	—21	—14	— 3	4	3	2	3	— 5	— 4	— 3	101	
	8	— 1	2	2	2	— 1	3	— 1	— 1	— 3	— 2	— 4	71	
	9	4	— 8	— 3	— 2	0	0	0	0	— 1	— 1	— 2	57	
	10	3	— 6	— 3	5	4	— 1	— 5	— 4	— 4	— 5	— 4	114	
	11	—10	—10	— 4	— 2	4	3	3	2	2	0	— 1	73	
	12	— 3	— 1	3	4	6	6	1	— 1	— 2	1	— 1	66	
	13	0	4	5	5	2	0	0	— 1	1	2	2	52	
	14	—18	—12	— 4	2	2	4	7	7	6	6	5	105	
	15	—11	— 8	— 6	— 1	0	2	6	6	4	2	0	73	
	16	0	— 6	— 2	8	12	11	— 2	— 3	— 3	— 4	— 5	93	
	17	— 3	— 3	— 1	— 3	1	3	1	0	1	1	1	40	
	18	2	2	— 1	4	2	— 3	— 2	— 1	— 1	— 2	— 2	56	
	19	— 5	— 7	— 8	— 1	3	3	1	1	0	3	3	76	
	20	3	6	7	3	3	4	5	— 1	— 1	2	3	77	
	21	2	— 3	8	14	— 2	— 4	4	3	3	3	— 1	92	
	22	5	7	3	0	— 4	2	— 3	0	1	2	3	70	
	23	2	1	— 3	— 3	2	2	1	3	3	0	0	68	
	24	— 6	— 2	— 7	— 6	— 4	— 2	1	3	4	4	5	88	
	25	— 7	— 4	— 1	0	1	3	6	4	5	4	6	91	
	26	— 2	— 1	— 3	4	8	6	11	8	5	4	3	105	
	27	5	3	— 1	0	— 1	— 3	5	0	0	0	0	79	
	28	— 3	0	— 1	— 1	4	10	8	8	4	0	1	79	
	29	— 2	2	0	9	3	6	3	6	7	9	1	101	
	30	— 6	1	0	0	0	8	5	5	4	4	0	78	
	31	—14	—11	— 5	— 1	2	12	11	8	7	9	8	3	128
Hourly Amount.	139	171	127	108	89	142	109	100	88	86	72	69	2575	

HORIZONTAL FORCE. D

DEVIATIONS. — UNITY = 0.00001 C. G. S.

Mean Batavia Time.		1 A.M.	2	3	4	5	6	7	8	9	10	11	12	—
AUGUST.	1	17	8	15	11	13	16	2	5	7	10	— 5	—29	—
	2	3	— 6	— 1	12	11	13	2	3	— 1	—10	— 8	—14	—
	3	6	— 1	— 6	9	0	— 2	1	3	4	2	1	6	—
	4	— 6	— 1	0	0	6	3	6	6	9	3	4	1	—
	5	— 5	— 6	— 4	0	3	1	5	7	8	— 3	— 3	— 4	—
	6	— 1	3	1	— 1	— 2	— 1	2	— 3	— 3	0	— 6	— 1	—
	7	7	— 1	11	0	6	3	19	9	9	6	— 5	2	—
	8	2	11	12	8	11	— 4	—10	— 8	—10	— 3	1	8	—
	9	7	1	— 2	4	1	6	6	12	4	4	2	— 4	—
	10	3	4	2	3	5	12	14	3	— 1	— 2	— 4	— 5	—
	11	3	3	5	3	1	0	0	3	— 1	6	5	1	—
	12	3	3	5	2	6	4	11	10	— 2	— 2	— 1	— 2	—
	13	— 1	0	1	— 3	— 2	— 4	— 5	— 2	— 2	4	5	5	—
	14	— 1	1	— 1	0	0	— 1	— 1	0	0	2	1	1	—
	15	3	— 1	0	0	— 1	1	— 1	3	3	1	5	2	—
	16	6	7	— 1	2	1	3	— 2	— 7	— 1	— 4	— 2	—11	—
	17	5	8	6	— 9	— 2	— 6	— 7	—10	—10	1	2	2	—
	18	0	— 3	— 2	— 3	— 2	— 4	— 7	—10	— 8	1	5	5	—
	19	— 6	— 4	— 8	2	0	— 3	— 4	— 4	0	6	3	4	—
	20	9	2	1	4	6	3	6	3	—10	1	— 1	6	—
	21	2	3	6	14	6	— 2	— 1	— 6	— 7	— 4	4	8	—
	22	— 4	— 1	6	3	3	2	4	1	4	1	— 1	3	—
	23	— 3	— 5	— 6	— 4	— 4	— 4	— 2	5	6	4	1	— 5	—
	24	2	2	4	2	3	1	8	10	10	12	2	— 6	—
	25	2	2	2	— 1	— 1	— 1	— 1	1	3	6	— 2	— 4	—
	26	4	5	8	9	3	5	9	2	4	— 8	—16	—16	—
	27	4	5	10	7	8	11	16	7	0	— 8	0	— 3	—
	28	5	11	13	5	12	6	10	6	— 6	0	— 8	4	—
	29	13	19	19	19	32	28	12	5	7	— 2	—11	—31	—
	30	0	1	15	8	2	4	6	10	— 8	7	7	— 8	—
	31	0	1	2	0	0	1	— 2	— 7	— 6	— 4	7	8	—
Hourly Amount.		133	129	175	148	153	155	182	171	162	127	128	209	—
Mean Batavia Time.		1 P.M.	2	3	4	5	6	7	8	9	10	11	12	Daily Amount.
AUGUST.	1	—22	1	17	48	42	—23	—30	—32	—14	—14	— 5	—12	398
	2	— 6	—25	—30	—17	7	8	9	12	7	8	12	— 3	228
	3	1	— 4	— 1	— 1	— 4	—10	7	— 3	2	— 1	4	3	82
	4	— 9	— 1	—12	2	5	4	7	3	0	— 6	— 8	15	117
	5	— 9	— 7	0	1	— 5	5	0	2	0	2	— 1	— 2	83
	6	— 1	3	1	— 8	— 2	6	1	2	— 4	— 6	2	1	61
	7	—25	—15	— 6	—38	—25	13	6	7	0	16	14	4	247
	8	— 2	—21	—13	—15	4	— 1	0	— 1	7	0	— 7	— 4	163
	9	— 4	— 8	— 9	— 4	— 3	0	2	— 1	— 1	— 3	— 4	— 2	94
	10	— 5	—13	— 6	—12	—13	— 5	— 5	— 3	— 3	10	7	4	146
	11	— 5	— 6	— 6	— 2	— 2	0	3	— 3	— 4	— 4	4	5	75
	12	—11	— 3	1	— 6	—15	—10	3	6	— 4	— 3	7	7	135
	13	4	2	0	— 5	— 3	— 2	— 2	1	2	1	0	— 1	57
	14	2	4	— 3	— 5	— 1	2	4	3	3	2	1	0	39
	15	— 1	— 5	—11	— 3	4	1	— 4	— 8	— 9	0	2	3	72
	16	12	20	16	— 3	—27	—29	— 7	5	5	2	4	6	183
	17	8	6	9	3	0	0	— 2	1	0	— 3	— 1	— 2	103
	18	7	16	13	10	9	2	2	— 1	— 6	— 4	— 1	— 6	127
	19	— 5	— 3	— 4	— 6	— 8	— 3	2	4	4	1	2	8	94
	20	— 2	— 4	— 7	— 5	— 3	— 1	—11	— 2	2	0	— 2	1	92
	21	— 2	7	10	—22	0	1	1	1	1	—13	— 7	— 7	135
	22	4	— 5	— 5	3	7	4	9	8	— 1	— 4	—10	— 6	99
	23	— 4	0	— 2	— 1	— 2	1	1	2	2	1	4	1	70
	24	—16	—19	—15	—12	— 3	4	2	1	2	1	2	0	139
	25	0	1	1	1	— 6	— 6	0	0	5	5	3	— 1	55
	26	— 8	10	12	6	— 8	—16	—33	—26	— 8	— 2	2	2	222
	27	— 5	— 8	0	3	2	11	— 3	1	6	7	6	5	136
	28	— 2	—10	—19	— 4	— 1	—11	0	—55	—28	—19	—11	19	265
	29	—39	—30	—12	— 9	— 2	— 4	12	10	7	0	3	35	361
	30	—22	— 9	—13	—11	— 2	— 4	— 6	— 3	8	4	3	— 2	163
	31	4	8	1	— 4	— 3	— 8	2	6	6	2	— 6	— 2	90
Hourly Amount.		247	274	255	270	218	195	176	215	151	144	145	169	4331

VERTICAL FORCE D.

DEFINITION - UNIT = 10000 C.G.S.

Mean Batavia Time.	1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—	
AUGUST.	1	5	5	0	2	0	1	4	-1	-1	5	1	20	—
	2	5	5	3	-6	-5	-7	0	-12	-2	-1	1	1	—
	3	-4	1	3	-12	-3	-8	-7	-3	2	1	-3	3	—
	4	3	1	4	8	-1	1	-2	-5	-5	-2	-1	-9	—
	5	2	1	-4	-11	-11	-10	-9	1	1	7	12	9	—
	6	6	8	9	11	12	12	8	-11	-14	-15	-2	3	—
	7	-9	-3	-11	-5	-13	-9	-12	-14	-5	-4	16	3	—
	8	-2	-10	-13	-8	-11	-3	1	2	14	8	-2	-6	—
	9	-16	-12	-9	-15	-13	-21	-16	4	5	7	20	14	—
	10	-4	-3	-2	-3	-4	-11	-13	-21	-15	-3	5	12	—
	11	-7	-6	-8	-8	-8	-12	-17	-7	5	9	5	13	—
	12	-5	-4	-4	-6	-6	-7	-8	-3	-1	3	-1	0	—
	13	2	2	0	1	0	-3	-1	2	0	-1	0	1	—
	14	-1	-4	-5	-7	-9	-12	-10	1	7	9	14	11	—
	15	2	4	4	4	4	2	4	-3	1	3	1	-3	—
	16	-2	-1	0	-3	-5	-8	-8	1	-8	-2	-3	9	—
	17	-3	-2	-1	6	3	5	8	10	6	-10	-11	-14	—
	18	8	12	13	16	18	20	27	-3	-1	-1	-5	-6	—
	19	5	7	10	4	9	12	13	1	-2	-4	-10	-9	—
	20	-8	-1	1	3	-2	-2	-1	11	11	-2	-8	-11	—
	21	-2	-1	-2	-3	2	10	7	3	-8	-10	-15	-19	—
	22	-4	-5	-7	-6	-6	-5	-5	-6	-6	-1	-2	-3	—
	23	0	0	2	0	-3	1	5	-7	-9	-13	-12	-5	—
	24	3	2	3	2	2	5	6	-4	-9	-22	-23	-7	—
	25	-3	-4	-4	-4	-5	-6	-5	6	-4	1	10	10	—
	26	0	-1	-4	-4	-1	1	5	13	13	15	8	-7	—
	27	-8	-10	-12	-10	-9	-7	-4	18	23	23	7	-8	—
	28	-4	-7	-11	-4	-11	-5	-8	2	9	5	11	-2	—
	29	-19	-20	-23	-21	-24	-26	-11	24	33	34	26	24	—
	30	8	9	-3	-1	2	-4	2	6	20	10	5	4	—
	31	3	1	-2	-1	-2	-4	1	6	8	6	-2	-1	—
Hourly Amount.	153	152	177	195	204	240	228	211	248	237	242	238	—	
Mean Batavia Time.	1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily Amount	
AUGUST.	1	20	10	-2	-34	-34	13	30	28	7	8	-2	7	240
	2	5	16	12	-1	-6	-8	-6	-9	-5	-5	-5	4	130
	3	13	18	16	10	3	6	-7	0	-3	-3	-3	0	132
	4	-3	-9	0	0	-1	-4	-2	-2	-2	5	6	-11	87
	5	14	9	11	8	1	-6	-8	-8	-4	-3	1	2	153
	6	-2	4	0	-6	-6	-5	0	-4	-1	-1	-7	-8	155
	7	24	24	11	22	11	-5	-7	-7	7	-7	-6	-4	239
	8	0	23	17	15	2	1	-2	-1	-4	-4	-1	-7	157
	9	14	15	14	3	0	-1	-3	1	3	2	3	1	212
	10	17	21	7	6	10	5	5	-3	2	-4	-5	-6	187
	11	12	8	0	-4	2	3	2	7	7	8	0	-2	160
	12	8	-6	-10	1	10	4	-2	0	5	5	1	-1	101
	13	-4	-7	-4	0	3	4	2	0	-1	-1	-1	-3	43
	14	9	3	-9	-5	-2	-1	-3	0	-2	0	3	5	132
	15	-1	-2	-5	-12	-9	-5	0	6	7	0	-1	2	85
	16	-4	-1	11	22	27	18	-1	-12	-13	-9	-9	-5	173
	17	-7	1	6	4	-2	-1	-3	-4	-4	-2	1	4	118
	18	-6	-9	-13	-16	-8	-7	-5	-7	-3	-2	-2	6	214
	19	-5	-1	-1	-1	1	1	-3	-3	-5	-5	-8	-8	128
	20	-3	-1	0	8	10	5	10	3	0	1	3	1	106
	21	8	6	0	14	5	1	0	-2	-2	6	2	1	129
	22	2	10	13	10	9	1	-3	-7	1	2	7	4	125
	23	3	10	15	11	2	-5	-3	-4	1	1	5	4	121
	24	3	11	17	12	-3	-9	-4	-2	-3	-2	-4	-4	162
	25	2	-9	-8	1	12	10	4	3	2	-2	-1	4	120
	26	-24	-23	-9	-7	6	10	19	15	-1	-7	-7	-6	206
	27	0	-6	-11	-13	-4	-6	5	6	0	2	-1	-1	194
	28	-2	10	12	7	1	3	-1	33	15	7	-4	-17	191
	29	14	-2	-15	-12	-10	-9	-11	-10	-3	2	3	-19	395
	30	4	-9	-11	-4	-4	-4	-2	1	-2	-1	4	8	128
	31	-1	-7	-8	-1	-2	0	-4	-5	-2	5	10	7	89
Hourly Amount.	234	291	263	270	206	161	157	193	117	112	116	162	4812	

EASTERLY DECLINATION. D.

DEVIATIONS. — UNITY = 0°.1.

Mean Batavia Time.	1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—	
SEPTEMBER.	1	— 5	— 1	1	0	— 1	2	14	16	11	1	—10	—20	—
	2	0	— 6	— 7	— 1	0	9	19	17	8	— 6	—13	—11	—
	3	— 1	— 4	— 6	— 2	— 1	6	10	11	6	3	— 6	—14	—
	4	2	1	1	3	5	6	8	3	4	3	9	— 2	—
	5	—11	— 6	0	—10	— 3	— 5	11	11	15	0	3	— 8	—
	6	3	4	4	3	3	7	10	— 2	— 2	2	— 3	— 7	—
	7	— 1	— 1	1	4	5	8	10	8	— 4	— 6	— 8	— 4	—
	8	1	3	5	6	7	13	21	4	— 2	6	4	— 6	—
	9	— 6	— 4	— 4	— 4	1	4	6	7	1	0	4	— 4	—
	10	4	— 1	— 1	1	7	10	11	11	6	— 1	— 3	—11	—
	11	0	1	1	4	4	14	19	15	10	4	— 7	—13	—
	12	3	3	6	4	3	2	9	5	6	0	— 4	— 8	—
	13	4	2	2	2	5	12	23	28	15	5	—13	—28	—
	14	0	4	6	8	9	16	18	16	11	— 6	—12	—13	—
	15	4	4	1	2	0	7	6	4	— 2	— 6	— 2	— 4	—
	16	— 4	0	— 6	— 5	— 5	3	19	7	2	4	1	— 7	—
	17	— 3	2	4	8	7	7	6	12	16	13	— 4	—19	—
	18	— 1	— 3	— 1	— 1	1	— 1	2	5	5	0	— 1	— 2	—
	19	— 4	— 8	— 4	— 3	— 3	0	6	9	7	8	1	— 1	—
	20	— 3	— 2	— 1	0	— 1	3	1	6	2	3	— 2	— 3	—
	21	2	3	2	3	2	4	2	2	— 1	— 4	— 5	— 8	—
	22	— 3	0	— 1	— 1	1	5	7	— 3	4	6	12	13	—
	23	— 8	— 4	— 3	1	— 4	— 4	— 3	4	5	8	14	4	—
	24	1	— 6	—12	—14	— 2	— 2	5	7	7	— 2	1	2	—
	25	2	1	0	— 1	— 1	— 2	2	0	4	2	1	— 9	—
	26	— 3	— 5	0	0	0	— 1	— 7	— 8	—10	6	11	12	—
	27	0	3	1	0	— 3	— 2	— 4	— 1	2	— 2	— 9	— 8	—
	28	—11	— 9	— 9	— 5	0	2	5	2	— 1	3	4	5	—
	29	2	1	3	2	4	— 1	— 5	— 7	—10	— 4	1	1	—
	30	1	2	3	1	3	3	5	8	0	3	— 1	4	—

Hourly Amount.	93	94	96	99	91	161	274	239	179	117	169	251	—
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Mean Batavia Time.	1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily Amount	
SEPTEMBER.	1	—27	—18	— 8	6	12	8	6	5	6	4	2	2	186
	2	—16	—15	— 5	1	7	6	— 1	4	— 2	3	0	1	158
	3	—13	— 5	0	8	9	6	2	— 3	— 3	— 5	— 8	— 8	140
	4	—18	—16	— 5	5	12	13	4	— 5	3	— 8	0	— 7	143
	5	—17	— 1	17	7	— 1	— 5	— 7	1	— 5	— 3	0	— 1	148
	6	—11	— 8	2	2	5	2	2	— 3	— 2	— 3	— 4	— 1	95
	7	— 1	1	— 2	— 3	— 2	— 4	— 7	— 4	— 3	— 4	— 4	— 1	96
	8	— 8	— 7	— 7	8	0	— 4	— 2	— 4	0	— 2	0	1	121
	9	—13	—15	— 6	9	8	2	— 2	0	— 1	0	2	2	105
	10	—19	—20	— 7	6	2	1	— 3	— 2	— 1	— 1	— 1	0	130
	11	—18	—14	—10	— 4	0	— 3	— 1	2	0	1	0	4	149
	12	—11	— 8	— 4	0	2	— 3	— 4	— 4	— 4	— 4	— 1	1	99
	13	—30	—22	— 1	5	1	— 7	— 5	— 3	— 2	0	2	2	219
	14	—16	— 8	— 5	— 4	— 3	— 3	— 5	— 3	0	0	2	4	172
	15	— 8	— 1	— 4	4	11	4	1	8	—10	— 3	— 3	— 1	100
	16	6	— 7	9	3	— 2	— 9	—13	— 5	— 2	— 2	— 3	0	124
	17	—30	—27	— 9	8	12	1	1	1	2	0	— 1	— 2	195
	18	— 7	— 1	1	6	4	0	2	2	— 2	— 1	— 1	— 1	51
	19	2	0	2	5	3	3	— 5	— 3	— 3	— 4	— 4	— 4	92
	20	— 5	— 3	3	4	2	— 2	— 2	— 2	1	— 2	0	0	53
	21	— 7	— 7	2	7	3	0	— 1	— 1	0	— 1	— 3	— 6	76
	22	5	1	— 3	— 5	— 5	— 1	— 4	— 2	— 8	— 2	— 1	0	93
	23	2	7	8	6	— 2	4	— 5	3	6	—13	— 2	— 3	123
	24	4	1	0	— 1	— 3	— 2	— 1	— 2	— 3	— 2	— 1	— 3	84
	25	11	8	6	5	0	— 3	0	1	0	— 3	— 5	— 4	71
	26	14	6	— 2	— 3	0	2	3	1	0	— 1	— 1	2	98
	27	— 4	— 1	1	4	8	9	6	8	2	— 4	— 4	— 2	86
	28	3	1	0	— 4	— 6	— 2	0	0	0	— 1	0	— 1	74
	29	1	2	2	2	1	0	1	2	1	0	0	0	53
	30	3	—12	— 8	— 3	1	6	8	3	6	7	7	7	105

Hourly Amount.	330	243	139	138	127	115	104	87	78	82	62	71	3439
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HORIZONTAL FORCE. D.

DEVIATIONS. — UNITY = 0.00001 C. G. S.

Mean Batavia Time.	1 A.M.	2	3	4	5	6	7	8	9	10	11	12	—	
SEPTEMBER.	1	11	— 6	— 5	4	2	0	5	— 1	— 8	— 1	1	1	—
	2	6	5	2	— 2	— 1	7	11	3	2	8	8	— 4	—
	3	1	9	5	— 3	2	— 1	5	4	5	8	4	— 6	—
	4	7	6	6	9	13	14	18	12	13	— 1	— 15	— 22	—
	5	10	6	15	17	6	7	4	27	— 6	7	— 7	— 19	—
	6	14	— 2	— 2	— 1	— 5	— 5	17	24	— 4	— 17	— 6	— 10	—
	7	— 2	— 3	12	0	1	13	12	— 1	8	0	0	— 5	—
	8	3	0	— 7	— 2	4	— 4	8	3	3	— 4	— 6	0	—
	9	8	— 12	— 15	— 15	— 8	— 6	2	9	16	10	— 2	— 12	—
	10	3	4	— 10	— 5	— 3	— 2	5	6	8	9	10	— 8	—
	11	— 1	— 2	— 6	— 9	— 5	— 2	2	4	7	11	7	2	—
	12	— 13	— 8	— 7	— 5	— 1	1	1	2	— 1	1	4	3	—
	13	— 8	— 5	3	0	— 5	— 6	1	— 13	— 9	— 1	4	5	—
	14	— 2	— 5	— 12	— 3	— 6	— 5	— 5	— 4	— 7	— 1	5	4	—
	15	9	10	12	— 8	4	— 4	— 13	— 18	— 21	— 16	— 12	— 10	—
	16	9	30	26	29	18	28	24	14	5	— 11	— 29	— 20	—
	17	6	17	11	— 4	7	5	5	— 7	2	4	5	2	—
	18	— 2	— 2	1	— 1	— 6	— 5	— 7	— 8	— 7	1	5	8	—
	19	— 3	10	— 5	— 1	1	3	— 1	— 6	— 6	— 2	10	5	—
	20	— 7	— 12	— 11	— 4	— 7	1	— 6	— 3	0	— 8	4	5	—
	21	1	— 1	— 2	0	— 9	— 7	— 1	— 5	1	— 0	6	9	—
	22	1	— 7	— 3	— 1	— 3	— 2	3	18	7	10	1	— 4	—
	23	— 9	— 17	— 2	— 6	6	2	2	5	7	2	— 24	— 4	—
	24	— 22	— 16	17	— 9	— 7	0	— 11	— 1	— 15	1	— 3	6	—
	25	2	2	0	2	1	— 3	— 13	— 12	— 6	9	7	9	—
	26	1	0	5	0	1	— 3	— 5	— 6	9	— 3	8	9	—
	27	6	9	8	10	4	3	3	— 4	— 4	— 1	— 4	— 6	—
	28	1	— 4	— 2	2	13	3	9	11	15	6	— 3	— 8	—
	29	3	4	— 1	— 4	— 1	— 2	— 11	— 8	1	— 3	— 1	4	—
	30	— 1	— 3	— 4	— 5	— 1	— 10	— 4	— 1	— 2	— 9	0	— 1	—
Hourly Amount.	172	217	217	161	151	154	214	240	205	165	201	211	—	
Mean Batavia time.	1 P.M.	2	3	4	5	6	7	8	9	10	11	12	Daily Amount.	
SEPTEMBER.	1	0	— 1	8	— 2	— 8	— 3	— 3	— 2	— 2	— 7	— 8	4	93
	2	— 16	— 7	— 9	— 4	— 10	— 5	0	— 7	8	2	5	1	133
	3	3	— 3	— 10	— 13	— 15	— 15	— 12	— 4	6	10	19	6	169
	4	— 21	— 11	1	— 3	1	— 32	— 23	7	— 23	6	10	14	238
	5	— 6	— 13	— 45	3	2	2	13	— 10	— 5	0	5	13	248
	6	— 14	— 9	4	13	— 3	— 2	— 7	— 3	— 4	— 6	2	0	174
	7	— 14	— 16	— 2	1	1	1	6	2	— 1	— 1	1	— 1	104
	8	7	7	10	4	6	8	9	15	3	— 6	— 22	— 16	157
	9	— 13	— 22	— 14	1	8	13	9	7	6	8	3	4	223
	10	— 13	— 14	— 17	— 25	— 3	6	8	8	6	6	7	4	190
	11	— 3	3	1	2	0	6	3	2	6	— 1	12	— 3	100
	12	0	— 4	— 1	2	6	11	7	1	4	— 5	— 7	— 10	105
	13	6	4	6	6	4	2	4	2	4	1	— 2	— 2	103
	14	10	2	7	3	1	4	8	8	10	13	15	4	144
	15	10	20	26	21	6	— 20	— 14	— 16	— 30	— 31	— 22	11	364
	16	— 44	— 23	— 19	— 37	— 9	— 3	11	8	— 10	— 5	4	10	426
	17	6	6	— 6	— 29	— 22	2	9	14	8	10	12	2	201
	18	4	7	4	3	4	11	— 5	— 13	— 10	— 4	9	5	132
	19	14	5	— 4	— 9	— 4	— 3	5	7	6	6	1	— 2	119
	20	6	3	— 4	— 6	1	6	5	4	0	3	2	4	112
	21	— 1	— 5	— 4	— 3	— 1	5	5	2	0	— 1	4	2	75
	22	— 4	— 5	4	11	11	12	16	12	— 7	— 9	— 38	11	200
	23	3	— 15	5	— 4	23	2	22	— 3	— 24	29	— 8	— 22	246
	24	8	11	6	13	8	7	8	6	4	4	3	6	192
	25	0	— 14	— 7	— 6	— 3	9	2	— 10	— 18	— 3	1	7	146
	26	2	— 3	— 4	— 3	1	3	1	— 4	— 13	6	8	— 2	100
	27	0	4	10	— 4	— 3	— 7	— 18	— 24	— 8	— 13	— 5	— 7	165
	28	— 1	— 1	— 1	— 10	— 1	3	0	7	4	8	8	5	126
	29	3	2	2	4	5	7	7	5	1	1	2	2	84
	30	1	— 5	— 3	5	3	— 10	— 20	— 7	2	4	— 2	0	103
Hourly Amount.	233	245	244	250	173	220	260	220	233	209	247	180	5022	

VERTICAL FORCE. D.

DEVIATIONS. — UNITY = 0.00001 C. G. S.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
S E P T E M B E R.	1	3	10	10	3	4	— 2	—12	—13	— 6	1	10	11	—
	2	0	0	4	7	1	—15	—19	—11	— 2	— 3	2	7	—
	3	2	— 3	— 3	— 1	— 6	—11	—19	—12	— 4	— 2	13	21	—
	4	1	— 1	— 2	— 2	— 7	— 9	—15	— 9	—13	— 9	1	13	—
	5	2	— 1	— 2	— 7	0	— 5	— 2	—22	3	9	— 3	13	—
	6	— 6	5	8	7	9	5	8	—10	6	12	4	4	—
	7	3	2	— 7	— 1	0	—14	—17	— 7	—14	— 7	0	2	—
	8	— 7	— 6	— 1	— 7	— 9	—10	—14	— 3	— 6	— 7	8	12	—
	9	—15	6	7	7	2	3	—13	—16	—11	— 7	3	15	—
	10	6	4	10	6	2	— 3	—11	— 9	—13	—10	— 8	5	—
	11	1	— 1	1	— 1	— 6	—13	—14	—12	— 9	— 7	4	20	—
	12	17	11	13	13	12	11	0	—33	—31	—12	0	10	—
	13	— 1	— 3	— 8	— 8	— 4	— 9	—10	7	15	20	25	21	—
	14	5	6	7	— 1	1	— 4	— 6	1	5	— 3	0	4	—
	15	0	— 1	0	12	4	1	4	11	13	6	6	7	—
	16	—13	—17	—15	—12	— 6	—17	—14	—15	— 5	3	7	9	—
	17	—10	—14	—16	— 2	—13	—15	—24	— 4	— 9	2	7	16	—
	18	8	6	5	4	6	1	— 6	— 9	— 2	— 3	— 2	2	—
	19	2	— 2	8	3	2	— 3	1	— 7	— 6	— 5	—14	— 1	—
	20	4	8	3	— 2	— 2	—11	—11	—10	—13	2	5	10	—
	21	— 4	— 1	0	— 1	5	5	2	— 1	— 7	—10	—10	— 6	—
	22	— 2	3	3	— 2	— 1	— 8	12	—24	—22	—13	— 1	11	—
	23	— 1	9	— 3	1	— 4	— 2	—11	—18	—19	— 9	9	6	—
	24	12	8	—16	2	1	— 8	— 6	—11	3	0	1	0	—
	25	0	— 2	— 1	0	2	1	6	7	3	—13	—18	— 8	—
	26	1	3	1	5	7	10	8	6	— 5	— 7	—11	—13	—
	27	0	— 1	— 3	— 2	3	3	1	1	— 1	— 4	3	2	—
	28	3	3	1	0	—11	— 5	— 6	— 6	—13	—13	0	8	—
	29	5	5	7	8	7	2	1	— 6	— 3	— 2	— 6	—	—
	30	3	1	— 1	— 2	— 4	— 2	—11	—15	— 8	8	29	33	—
Hourly Amount.		137	143	166	129	141	208	284	311	273	210	206	296	—

Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily Amount.
S E P T E M B E R.	1	6	— 5	—10	— 7	— 1	1	1	3	2	5	6	— 6	138
	2	13	— 5	— 1	— 4	2	1	3	5	— 1	0	— 4	— 2	112
	3	9	— 2	— 6	3	11	13	11	4	— 1	— 2	— 4	3	166
	4	20	11	— 9	— 2	— 1	23	19	0	15	— 1	— 9	—10	202
	5	0	—10	4	—16	— 2	2	— 4	7	8	2	— 2	— 4	130
	6	5	— 7	—14	—18	— 4	5	10	8	6	5	— 1	— 2	169
	7	5	13	3	5	2	4	2	2	1	3	— 2	— 3	119
	8	4	3	— 1	1	9	6	3	1	4	6	15	7	150
	9	14	7	— 8	—20	—17	—10	— 1	0	3	3	5	9	202
	10	17	10	1	7	— 2	— 4	— 2	— 2	0	0	— 1	— 3	136
	11	27	15	9	8	0	— 6	— 5	— 3	— 3	2	— 1	8	176
	12	10	10	— 1	—12	— 9	— 8	— 4	0	— 6	— 2	— 2	4	231
	13	14	— 7	—31	—21	—10	— 1	— 2	— 3	— 1	1	6	6	234
	14	— 5	— 8	— 7	— 4	0	— 2	— 4	— 5	— 8	— 6	— 6	— 1	99
	15	— 5	—14	—15	—22	— 4	18	15	12	28	20	12	—19	249
	16	17	20	17	26	5	— 3	— 9	— 7	9	4	— 6	—12	268
	17	22	8	0	10	8	— 1	— 5	— 7	— 5	0	0	7	205
	18	5	— 3	4	6	6	— 4	6	5	4	— 3	— 8	— 6	114
	19	— 3	3	6	3	3	3	— 1	— 5	— 3	— 2	— 1	— 3	90
	20	15	8	11	11	7	0	— 2	— 2	— 1	— 1	— 3	— 4	146
	21	10	15	9	— 2	— 1	— 3	— 4	— 2	— 1	— 2	— 8	— 5	114
	22	26	34	28	14	4	— 6	—12	—12	4	4	21	—19	286
	23	0	11	0	5	—13	— 3	—10	6	18	—11	8	18	195
	24	— 2	0	5	2	3	— 1	— 1	— 2	0	— 1	— 3	— 1	89
	25	2	14	4	— 1	— 4	— 4	— 2	10	18	7	7	— 5	139
	26	— 7	2	3	1	— 3	— 5	0	0	5	— 6	— 9	3	121
	27	— 8	—13	— 9	— 4	2	3	9	18	7	3	7	7	114
	28	4	4	1	6	— 4	— 6	— 1	— 3	0	— 2	0	5	105
	29	— 3	— 4	— 2	— 5	— 8	— 9	—10	— 5	— 2	— 5	7	— 2	115
	30	19	33	26	13	9	19	33	21	14	17	24	32	377
Hourly Amount.		297	299	245	259	154	174	191	160	178	126	188	216	4991

EASTERLY DECLINATION. D.
DEVIATIONS. — UNITY = 0'.1.

Mean Batavia Time.	1 A.M.	2	3	4	5	6	7	8	9	10	11	12	—	
OCTOBER.	1	—13	—8	—7	—7	—8	—5	—2	0	3	5	2	2	—
	2	1	1	—1	—1	—3	—2	—9	—12	—4	2	3	4	—
	3	0	—2	—3	—4	—7	—14	—20	—10	—3	9	13	19	—
	4	—3	1	0	—1	0	2	—1	—4	—6	—7	—5	5	—
	5	7	6	7	7	4	6	4	0	—5	—14	—14	—10	—
	6	5	4	3	2	1	7	—2	—7	—10	—11	—5	4	—
	7	5	5	6	6	3	2	—3	—10	—9	—12	—9	4	—
	8	2	0	—2	—2	—4	—7	—6	—5	—18	0	—2	5	—
	9	0	2	1	—1	—5	—11	—17	—13	—12	—3	7	7	—
	10	6	4	3	2	0	—5	—3	—6	—10	—7	—2	8	—
	11	7	10	9	11	9	8	2	—16	—13	—6	—2	—5	—
	12	3	1	—1	—5	—4	—8	—16	—5	—1	1	7	13	—
	13	—1	2	2	—1	—3	—4	—10	—12	—7	—1	5	8	—
	14	4	—1	1	3	6	9	0	—5	—1	—6	—7	—4	—
	15	0	—1	—4	—6	—8	—9	—4	—1	5	4	6	—1	—
	16	—8	—5	—1	—2	—8	—8	—11	—3	7	7	6	3	—
	17	—3	—2	—2	—1	—2	—1	—3	—4	—1	—4	—3	2	—
	18	3	2	2	1	—2	—5	—10	—2	—3	—4	3	6	—
	19	3	3	3	2	2	—7	—10	—10	—3	—4	—1	1	—
	20	—1	1	0	3	2	—3	—13	—12	—6	—4	7	12	—
	21	9	2	8	6	4	—8	—17	—16	—7	—7	—5	4	—
	22	5	5	4	2	—3	—14	—22	—13	—3	2	8	17	—
	23	—2	1	2	—1	—3	—14	—18	—11	0	8	15	16	—
	24	0	3	—4	—2	—8	—9	—18	—8	—3	2	12	16	—
	25	10	10	8	7	4	—10	—15	—11	—13	—12	—4	—1	—
	26	3	2	1	1	0	—6	—12	—5	—5	—4	—1	10	—
	27	—2	—2	0	1	—1	—4	—8	—3	—3	—6	—3	5	—
	28	—1	—1	—2	—2	—4	—5	—4	1	—2	—3	—1	—1	—
	29	—2	—6	—4	—5	—6	5	—1	—3	—6	4	8	16	—
	30	—7	—9	—7	—8	—6	—5	—1	8	10	9	5	10	—
	31	—1	1	—2	—3	—5	—8	—8	—3	1	6	3	3	—
Hourly Amount	117	103	100	106	125	211	270	219	180	174	174	222	—	
Mean Batavia Time.	1 P.M.	2	3	4	5	6	7	8	9	10	11	12	Daily Amount.	
OCTOBER.	1	5	4	1	—2	—1	—3	—1	—2	0	0	4	85	
	2	10	9	9	9	0	—3	—1	—3	2	—2	0	—1	92
	3	20	17	7	—4	—5	—5	—6	—4	—4	—1	—4	1	182
	4	12	12	0	—4	—7	—2	—2	—1	0	1	2	4	82
	5	—3	3	—4	—6	—6	—1	0	3	4	4	4	4	126
	6	10	7	0	—4	—6	—3	—1	2	1	3	6	4	108
	7	14	8	—4	—11	—11	0	3	3	4	3	3	2	140
	8	13	9	6	4	4	5	6	3	2	4	3	2	114
	9	15	14	2	—5	—6	—1	—2	—4	1	3	—1	5	138
	10	12	8	2	—7	—9	—5	—2	2	3	3	5	5	119
	11	—1	—4	—17	—7	—5	—6	1	3	4	3	3	1	153
	12	18	18	11	—4	—9	—6	—3	0	1	0	1	—1	137
	13	9	12	1	3	4	4	—3	—10	—1	—3	2	1	109
	14	—9	—7	—4	—3	2	9	9	2	6	2	0	—1	101
	15	3	9	9	1	3	5	4	1	0	—3	—1	—7	95
	16	7	9	6	4	6	6	1	3	—5	—3	—1	—6	126
	17	8	6	3	2	—5	—2	—1	1	1	0	0	3	60
	18	8	9	6	—3	—3	—1	3	2	1	5	1	2	87
	19	4	8	1	—4	—2	3	2	—10	3	4	—1	—2	93
	20	12	15	9	—5	—4	—5	2	0	1	2	4	3	126
	21	9	7	1	—4	—7	—4	0	3	5	4	4	3	144
	22	14	7	—2	—4	—2	2	4	1	4	—1	—2	—3	144
	23	7	0	—5	—3	8	2	—1	—5	—1	0	2	—1	126
	24	20	14	4	—7	—11	—7	—4	1	3	4	4	7	171
	25	1	1	—3	—3	—2	2	5	3	1	2	2	2	132
	26	14	10	5	—4	—2	1	0	0	1	0	—1	—2	90
	27	8	6	0	—1	1	2	4	2	0	2	1	—1	66
	28	4	5	6	4	0	2	4	1	2	2	1	0	58
	29	8	3	3	—3	—1	2	0	0	—1	—4	—3	—7	101
	30	9	6	4	4	0	—3	2	2	0	—1	—2	—2	120
	31	—2	—5	—3	1	5	5	6	5	4	—2	—6	2	90
Hourly Amount.	289	252	138	130	137	107	83	82	66	71	70	89	3515	

HORIZONTAL FORCE. D.

DEVIATIONS. — UNITY = 0.00001 C.G.S.

Mean Batavia Time.	1 A.M.	2	3	4	5	6	7	8	9	10	11	12	—	
OCTOBER.	1	7	1	3	5	— 1	1	1	6	4	8	3	—	
	2	— 4	— 5	8	0	3	1	1	— 6	— 16	— 9	12	—	
	3	1	5	3	8	5	3	— 4	— 2	1	— 4	3	—	
	4	— 8	— 3	— 4	— 1	0	2	5	4	4	— 1	— 3	—	
	5	— 2	0	— 3	— 3	— 2	— 1	— 2	3	7	6	4	—	
	6	— 6	— 11	— 3	1	— 2	— 5	— 9	— 6	— 5	0	2	—	
	7	5	4	— 1	— 1	— 1	— 7	— 5	— 7	— 6	— 2	9	—	
	8	— 5	— 9	— 7	— 4	— 1	— 2	— 3	— 4	— 3	— 1	— 2	—	
	9	3	2	10	15	15	12	8	3	3	— 4	— 11	—	
	10	— 11	— 1	0	3	3	— 2	1	— 11	— 2	— 1	4	—	
	11	— 7	— 10	— 11	— 4	— 2	— 5	— 2	3	— 1	2	3	—	
	12	1	— 1	— 6	3	1	1	— 4	— 3	— 10	— 1	4	—	
	13	6	— 10	— 2	— 3	— 1	2	0	— 8	— 12	— 18	— 10	—	
	14	4	20	14	7	8	4	6	7	2	4	— 10	—	
	15	5	5	9	9	4	1	4	4	0	2	— 8	—	
	16	26	16	7	10	12	14	8	— 1	— 12	— 4	— 18	—	
	17	— 4	— 4	0	— 2	2	7	9	2	— 6	— 1	9	—	
	18	— 1	— 2	— 2	— 3	1	— 7	— 1	— 2	— 1	1	1	—	
	19	— 6	— 8	— 6	— 7	— 7	— 2	— 8	— 7	0	— 4	— 1	—	
	20	— 1	3	7	— 9	— 9	— 12	— 8	— 11	— 5	14	8	—	
	21	— 11	— 7	— 12	1	0	1	0	1	— 3	— 2	— 3	—	
	22	— 3	— 7	— 10	3	— 5	— 1	— 1	2	3	— 5	3	—	
	23	0	— 1	4	4	6	13	2	3	4	— 9	— 7	—	
	24	— 2	1	5	1	1	— 8	— 32	— 5	— 3	2	6	—	
	25	— 9	— 2	— 4	4	— 1	2	0	3	5	— 1	— 8	—	
	26	6	8	4	4	2	— 2	— 7	— 11	— 4	— 1	5	—	
	27	— 2	7	— 2	0	— 2	— 2	— 7	— 8	— 2	1	4	—	
	28	— 10	— 10	— 9	— 5	— 11	— 6	— 4	5	5	— 2	— 4	—	
	29	— 4	0	— 9	— 6	— 6	— 3	— 7	2	15	0	— 3	—	
	30	1	— 4	— 1	— 2	— 3	— 1	3	0	— 2	— 6	1	—	
	31	1	4	5	10	4	1	— 1	0	8	— 8	— 9	—	
Hourly Amount.	162	171	171	138	121	131	153	140	154	126	180	221	—	
Mean Batavia Time.	1 P.M.	2	3	4	5	6	7	8	9	10	11	12	Daily Amount.	
OCTOBER.	1	3	— 4	1	2	6	6	— 1	1	4	7	3	— 7	89
	2	19	11	— 7	— 20	— 27	— 7	0	2	— 2	12	7	3	197
	3	1	— 1	1	1	7	10	4	1	— 8	— 11	— 6	— 10	101
	4	3	— 8	— 10	— 8	1	4	4	3	3	5	3	2	91
	5	4	— 2	— 5	— 4	1	5	5	7	8	6	2	— 5	93
	6	6	0	— 6	— 2	7	7	5	— 2	1	— 5	— 5	— 3	99
	7	9	0	8	13	13	1	— 17	— 9	— 9	— 2	1	— 6	149
	8	7	3	8	11	8	— 2	— 8	— 10	7	— 2	— 3	5	116
	9	— 12	— 24	— 20	— 13	— 4	— 1	— 2	3	5	0	22	— 1	199
	10	8	5	6	6	6	8	4	0	3	1	— 2	— 5	105
	11	— 3	— 4	— 4	2	7	7	5	3	1	6	6	4	108
	12	7	3	— 1	1	3	3	— 1	— 2	5	2	1	— 2	74
	13	4	3	13	17	7	— 11	— 24	9	— 3	— 12	— 1	— 7	190
	14	— 1	— 8	— 7	7	2	— 16	— 19	0	— 9	6	3	— 2	169
	15	1	8	— 24	— 7	— 17	— 15	— 9	— 14	— 2	16	8	13	191
	16	3	— 1	— 1	— 25	— 26	— 25	— 6	2	27	7	— 10	7	282
	17	4	0	— 3	0	4	0	0	— 1	5	4	7	5	87
	18	4	4	5	4	7	3	1	3	5	— 3	8	— 5	79
	19	1	— 4	— 1	— 6	— 9	1	8	7	12	3	5	3	118
	20	— 1	6	9	9	10	12	8	7	8	— 4	— 16	— 17	206
	21	— 7	— 10	— 5	— 1	7	7	8	5	6	8	5	— 2	117
	22	0	6	12	4	3	12	12	15	1	— 15	— 21	— 12	165
	23	— 7	7	17	17	— 34	— 31	6	9	12	7	0	2	219
	24	10	5	3	6	10	4	4	3	2	— 2	6	— 6	136
	25	— 1	2	0	— 12	— 6	— 8	— 16	— 17	0	5	7	5	124
	26	2	— 1	0	2	1	2	7	6	1	— 6	— 9	— 3	102
	27	0	— 3	9	8	1	11	10	8	5	— 11	— 16	— 15	139
	28	— 8	0	17	20	9	13	15	9	7	1	— 5	— 2	185
	29	— 8	— 3	1	— 4	— 1	— 3	2	4	4	6	4	6	109
	30	— 6	2	10	14	16	6	— 15	— 15	— 8	— 13	2	5	139
	31	— 5	0	16	21	5	0	— 15	— 32	— 3	— 3	7	3	177
Hourly Amount.	155	138	230	267	265	241	241	209	176	191	201	173	4355	

VERTICAL FORCE. D.

DEVIATIONS. — UNITY = 0,00001 C. G. S.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
OCTOBER.	1	—40	—33	—32	—33	—26	—30	—30	—27	—19	— 6	11	14	—
	2	— 6	— 8	— 2	— 5	— 2	— 1	10	— 8	— 9	— 4	— 1	—13	—
	3	— 9	—13	—14	—21	—12	—19	—20	15	12	11	13	— 6	—
	4	— 7	— 5	— 9	13	14	13	14	—12	— 9	— 5	— 5	—11	—
	5	— 2	— 1	— 2	— 6	— 4	— 6	17	13	12	13	— 4	—20	—
	6	— 2	— 1	— 2	— 7	— 7	— 8	— 8	35	34	14	— 1	— 7	—
	7	— 6	— 5	— 1	— 1	— 5	10	18	21	17	— 9	— 4	—18	—
	8	— 3	— 4	— 0	— 3	— 4	— 2	— 4	— 8	—10	— 2	— 5	— 0	—
	9	— 2	— 1	— 4	— 5	— 2	— 7	11	— 3	— 6	— 3	— 1	—19	—
	10	— 8	— 1	— 1	— 1	— 4	19	15	22	13	— 5	—10	—21	—
	11	— 4	— 5	— 6	— 2	— 1	— 4	— 0	— 5	— 4	— 9	— 8	— 7	—
	12	— 4	— 1	— 4	— 2	— 1	— 4	14	27	27	11	— 3	—17	—
	13	— 1	12	— 7	— 6	— 5	— 3	— 1	— 7	— 9	10	— 4	—10	—
	14	— 0	—14	— 6	— 1	— 1	— 6	15	— 1	— 6	— 4	— 1	—10	—
	15	— 3	— 6	— 4	— 4	10	14	— 6	—18	—23	— 8	— 5	— 4	—
	16	—19	—15	— 3	— 7	—12	— 9	— 2	— 4	— 9	— 2	13	10	—
	17	— 0	— 2	— 1	— 0	— 4	— 5	— 3	— 9	11	— 2	—15	— 9	—
	18	— 7	— 5	— 3	— 3	— 9	— 1	— 1	28	23	— 8	— 3	—10	—
	19	— 6	— 4	— 3	— 5	— 3	— 5	10	13	— 5	12	— 3	—12	—
	20	— 4	— 4	— 2	15	17	22	21	12	11	— 2	— 3	—11	—
	21	— 6	— 4	— 4	— 2	— 0	13	19	28	23	11	— 2	—13	—
	22	— 6	— 9	12	— 6	11	18	16	— 0	— 4	— 1	— 7	—14	—
	23	— 7	— 8	—10	— 8	— 6	— 5	— 1	— 0	— 7	—10	— 1	— 3	—
	24	— 2	— 4	— 5	— 1	— 3	17	18	19	14	— 3	— 2	—13	—
	25	— 7	— 1	— 3	— 9	— 3	— 5	12	19	22	16	— 1	—11	—
	26	— 2	— 1	— 0	— 1	— 5	15	18	12	— 5	— 0	—14	—19	—
	27	— 4	— 3	— 4	— 1	— 4	— 8	14	10	— 1	— 4	— 6	— 1	—
	28	— 9	— 5	— 3	— 1	— 5	— 8	— 6	— 4	— 4	— 6	— 2	— 5	—
	29	— 3	— 2	— 0	— 3	— 7	—10	— 6	— 7	— 5	— 2	— 1	— 5	—
	30	— 4	— 8	— 6	— 5	— 5	— 1	— 2	—13	— 5	— 1	— 3	— 0	—
	31	— 1	— 1	— 3	— 1	— 8	17	19	—14	—26	—14	—11	— 1	—
Hourly Amount.		184	186	156	178	200	305	351	414	385	208	163	314	—
Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily Amount.
OCTOBER.	1	22	23	21	11	— 8	— 6	— 6	—12	—12	—13	— 8	— 2	445
	2	—17	—13	— 0	23	32	10	— 0	— 1	— 6	—16	—15	—10	212
	3	— 2	— 3	— 9	— 4	— 2	— 4	— 0	— 2	— 5	— 7	— 4	— 8	215
	4	—20	—13	— 5	11	— 2	— 5	— 4	— 4	— 6	— 9	— 8	— 4	298
	5	—25	—13	— 1	— 2	— 3	— 6	— 8	— 7	— 7	— 7	— 5	— 2	186
	6	—15	— 1	— 3	— 0	— 6	— 6	— 7	— 1	— 1	— 3	— 2	— 1	172
	7	—16	— 5	— 3	— 2	— 7	— 5	12	— 5	— 3	— 4	— 9	— 1	187
	8	— 6	10	11	— 5	— 2	— 7	— 9	— 9	— 4	— 1	— 1	— 7	117
	9	—17	— 1	— 9	— 4	— 4	— 3	— 1	— 1	— 5	— 2	—18	— 5	134
	10	—23	—12	— 1	— 1	— 2	10	— 4	— 1	— 1	— 1	— 3	— 4	183
	11	— 6	— 4	— 5	— 0	— 7	— 6	— 5	— 1	— 1	— 2	— 1	— 2	95
	12	—27	—14	— 5	— 1	— 1	— 6	— 2	— 4	— 8	— 5	— 3	— 3	194
	13	—13	— 4	— 1	— 5	— 2	— 9	19	— 5	— 1	11	— 2	— 5	152
	14	— 7	— 5	— 1	— 6	— 9	— 2	— 5	— 1	— 0	— 5	— 3	— 1	110
	15	— 1	—15	18	10	12	— 3	— 2	— 4	— 3	—14	— 9	— 4	200
	16	— 6	— 6	— 7	22	17	15	— 4	— 6	—17	— 5	— 8	— 5	223
	17	—15	— 2	— 3	— 6	— 1	— 1	— 0	— 0	— 5	— 7	—10	— 8	119
	18	— 6	— 1	— 3	— 5	— 5	— 0	— 1	— 2	— 2	— 1	— 8	— 4	139
	19	—22	— 8	— 3	— 1	— 5	— 9	—15	— 9	—10	— 3	— 5	— 0	171
	20	— 6	—18	—19	—16	—18	—12	—10	— 8	— 8	— 1	— 7	— 8	255
	21	—17	— 6	— 8	—10	—15	—10	— 9	— 8	— 6	— 6	— 4	— 1	225
	22	— 2	— 3	— 5	— 1	— 0	—11	— 6	— 8	— 2	18	21	10	191
	23	— 7	— 2	— 6	— 6	29	31	— 2	— 6	— 9	— 8	— 0	— 0	172
	24	—20	—19	—13	— 7	— 6	— 2	— 6	— 5	— 4	— 5	— 5	— 1	194
	25	— 9	—11	— 6	— 5	— 2	— 1	— 6	10	— 1	— 5	— 8	— 1	174
	26	— 5	— 1	— 2	— 2	— 9	—11	—10	— 8	— 0	— 5	— 6	— 1	152
	27	— 2	— 0	— 4	— 8	— 4	—13	—10	— 8	— 1	14	16	13	153
	28	— 2	— 7	—22	—14	— 7	—10	— 9	— 4	— 2	— 2	— 9	— 0	146
	29	10	— 7	— 5	11	— 7	— 4	— 0	— 0	— 3	— 3	— 2	— 2	102
	30	— 3	— 3	— 2	— 4	— 6	— 1	10	11	— 6	10	— 1	— 0	110
	31	— 9	— 8	— 3	—13	—10	— 4	— 8	18	— 5	— 5	—12	— 7	218
Hourly Amount.		358	238	204	216	240	223	190	169	141	198	213	120	5554.

EASTERLY DECLINATION. D.
DEVIATIONS. — UNITY = 0°.1.

Mean Batavia Time.	1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—	
NOVEMBER.	1	2	1	— 3	— 8	0	9	6	2	— 5	— 3	— 7	— 8	—
	2	— 3	0	2	4	1	— 1	— 2	0	— 1	1	4	—	
	3	1	0	3	2	3	2	— 3	— 5	— 4	0	8	13	—
	4	0	2	0	0	1	2	0	— 2	— 4	— 5	5	12	—
	5	1	5	3	3	1	2	1	0	— 5	— 10	— 6	— 3	—
	6	— 2	1	— 2	1	— 1	1	1	— 5	— 1	— 5	— 3	3	—
	7	— 1	1	3	1	— 4	— 11	— 9	0	7	10	10	4	—
	8	0	0	4	3	9	— 3	2	— 19	— 3	— 8	— 7	— 3	—
	9	0	2	5	4	5	4	— 1	— 8	— 11	— 9	— 1	3	—
	10	2	1	— 1	1	— 2	3	3	4	— 2	— 5	— 1	— 2	—
	11	0	— 3	— 4	5	8	7	8	— 1	— 8	— 12	— 11	— 7	—
	12	— 4	— 2	— 5	— 5	— 2	— 6	9	9	4	— 4	— 10	— 13	—
	13	1	2	5	6	1	— 5	— 5	— 8	— 10	— 3	— 3	— 2	—
	14	0	0	— 1	— 2	— 3	— 2	1	2	5	0	5	13	—
	15	2	— 2	— 2	1	2	3	3	— 3	— 2	— 6	— 5	— 1	—
	16	— 1	— 1	1	2	5	12	10	4	— 4	— 12	— 15	— 16	—
	17	— 2	— 2	2	2	1	5	3	2	— 2	— 8	— 9	— 6	—
	18	0	— 1	1	1	4	2	3	— 1	— 3	0	7	11	—
	19	— 5	0	— 9	— 1	— 3	— 2	— 4	6	6	9	15	16	—
	20	— 4	1	— 3	— 2	0	1	— 2	0	— 3	6	7	9	—
	21	— 2	— 1	— 2	— 1	— 4	— 5	— 4	— 3	— 1	8	14	13	—
	22	— 1	0	1	— 1	0	— 3	— 8	— 6	2	9	12	11	—
	23	1	2	0	— 1	— 1	— 4	— 3	— 1	— 1	8	11	11	—
	24	— 1	1	2	2	2	— 2	— 9	— 9	— 3	5	9	13	—
	25	5	6	5	5	3	1	— 1	— 5	— 8	— 9	— 3	— 4	—
	26	3	2	1	3	— 2	— 3	2	— 1	— 6	— 11	— 4	— 6	—
	27	— 1	1	5	5	6	13	13	2	— 4	— 10	— 15	— 17	—
	28	4	5	5	5	0	1	2	— 5	— 11	— 1	— 4	— 5	—
	29	1	— 1	— 1	— 2	— 1	5	5	6	0	— 4	— 10	— 19	—
	30	— 1	— 2	— 2	— 4	— 6	— 6	— 1	0	9	12	8	1	—

Hourly Amount.	51	48	83	83	81	126	124	119	134	193	226	249	—
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Mean Batavia Time.	1 P.M.	2	3	4	5	6	7	8	9	10	11	12	Daily Amount	
NOVEMBER.	1	— 3	— 3	0	4	3	2	4	6	2	— 1	— 2	— 7	91
	2	2	1	— 1	— 4	— 2	0	0	2	— 1	— 2	0	— 2	36
	3	10	5	— 8	— 12	— 3	3	0	— 2	— 3	— 2	— 1	0	93
	4	9	5	— 2	— 5	— 1	— 3	— 2	— 3	— 2	0	0	1	66
	5	0	3	5	2	2	5	— 1	— 1	— 2	0	0	1	62
	6	2	— 1	— 3	— 1	1	— 1	— 1	— 1	1	— 1	— 1	— 1	41
	7	— 1	— 1	— 1	— 1	— 1	1	— 3	— 1	3	3	6	3	86
	8	— 2	2	2	4	3	— 2	3	— 2	— 1	0	— 1	3	86
	9	6	5	2	— 1	— 5	— 1	— 1	— 1	— 2	1	— 1	2	81
	10	— 2	— 2	3	11	9	3	5	5	— 2	0	1	— 3	73
	11	— 3	— 13	— 11	7	20	19	18	— 7	3	3	— 2	— 6	186
	12	— 5	0	— 1	4	3	3	0	1	1	3	2	2	98
	13	— 1	1	— 2	1	2	3	0	— 1	— 1	2	— 1	1	67
	14	8	5	7	0	— 4	— 7	— 6	— 3	— 1	— 5	0	— 1	81
	15	1	6	7	4	2	— 3	— 3	— 4	— 2	— 3	— 3	— 1	71
	16	— 9	0	— 1	3	7	2	2	3	1	0	0	0	111
	17	— 1	3	7	8	7	— 1	— 1	— 1	— 1	0	— 2	3	79
	18	— 9	— 3	— 3	— 1	— 2	— 4	— 2	— 1	— 5	— 2	2	— 7	75
	19	5	1	— 3	— 6	0	— 2	— 1	— 3	— 3	— 6	— 5	— 5	116
	20	2	— 2	— 1	2	— 1	— 3	— 1	0	0	— 1	— 2	— 1	54
	21	10	2	— 4	— 7	— 6	— 5	0	— 3	— 2	— 1	— 2	— 2	102
	22	12	1	— 3	— 6	— 4	— 5	— 3	— 3	— 2	0	1	1	95
	23	11	9	0	— 3	— 5	— 7	— 6	— 4	— 5	— 4	— 2	0	100
	24	10	2	— 4	— 2	— 3	— 5	— 3	— 6	— 2	— 1	2	— 1	99
	25	— 4	1	— 1	— 2	— 1	2	4	4	3	7	4	6	94
	26	— 4	3	8	11	— 1	1	0	— 2	— 4	— 3	— 5	— 3	89
	27	— 14	— 4	5	6	1	1	0	3	6	6	7	5	150
	28	0	4	4	2	1	2	4	— 2	1	0	0	3	71
	29	— 23	— 16	— 4	4	6	6	7	7	6	5	3	1	143
	30	— 5	— 9	— 9	— 8	— 2	3	5	6	5	0	7	0	111

Hourly Amount.	174	113	112	132	108	105	86	88	73	62	65	72	2707
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HORIZONTAL FORCE. D.

DEVIATIONS. — UNITY = 0.00001 C. G. S.

Mean Batavia Time.	1 A.M.	2	3	4	5	6	7	8	9	10	11	12	—	
NOVEMBER.	1	4	9	— 3	22	4	1	3	6	8	— 5	— 8	—12	—
	2	— 6	0	— 2	4	4	7	8	8	5	1	— 1	—	—
	3	— 2	0	0	3	3	4	0	— 1	1	8	7	7	—
	4	7	4	3	5	3	— 4	— 3	0	— 3	1	5	6	—
	5	— 4	— 6	— 1	— 1	0	0	2	4	4	6	1	—	—
	6	1	— 5	— 5	— 5	— 5	— 3	5	7	4	11	3	— 3	—
	7	—11	—12	—12	— 7	0	4	6	6	4	4	— 6	— 6	—
	8	— 1	3	7	— 1	8	3	6	27	21	4	—19	—25	—
	9	4	0	1	— 1	— 3	— 3	— 6	— 6	0	3	6	7	—
	10	4	3	6	10	7	5	3	— 2	— 3	— 6	—11	— 4	—
	11	0	— 3	21	4	12	4	1	9	4	1	— 7	—24	—
	12	18	13	5	7	11	19	14	13	8	— 3	— 2	—10	—
	13	2	— 1	— 5	— 3	— 1	— 2	— 4	8	13	2	— 1	1	—
	14	— 2	0	— 1	— 3	— 3	— 7	— 5	— 5	— 1	3	— 1	1	—
	15	— 8	— 9	— 7	— 8	— 8	— 2	— 2	— 4	— 2	— 1	10	6	—
	16	— 2	0	— 1	0	0	— 4	—10	—10	—12	— 5	2	3	—
	17	— 4	— 6	— 7	—10	— 2	— 5	— 2	0	— 4	— 4	— 3	2	—
	18	0	4	3	— 1	— 3	0	— 1	1	— 2	—12	— 9	— 2	—
	19	3	10	6	—12	—14	—11	— 6	— 3	4	3	— 4	1	—
	20	— 3	— 3	— 5	— 3	13	0	5	3	— 5	— 2	— 5	1	—
	21	15	5	3	1	4	— 2	— 1	8	14	10	4	— 2	—
	22	— 6	0	3	4	0	2	2	— 1	— 2	— 3	4	2	—
	23	5	— 2	— 4	— 4	— 3	— 1	0	4	10	11	5	— 5	—
	24	— 3	— 4	— 4	— 3	— 1	— 1	2	4	4	4	3	0	—
	25	— 6	— 2	— 3	— 1	1	— 1	— 1	0	2	3	— 3	— 4	—
	26	9	— 1	2	4	9	5	3	2	3	3	— 3	— 1	—
	27	3	7	6	1	3	4	1	4	0	— 3	— 4	— 1	—
	28	— 1	— 2	— 4	0	1	5	5	9	1	—10	0	6	—
	29	— 1	— 1	— 4	— 4	0	— 2	— 5	— 6	— 6	— 8	— 5	1	—
	30	— 1	0	— 5	— 5	— 2	— 4	— 5	2	3	— 3	— 3	0	—
Hourly Amount.	136	115	139	137	128	115	115	161	156	145	150	145	—	

Mean Batavia Time.	1 P.M.	2	3	4	5	6	7	8	9	10	11	12	Daily Amount	
NOVEMBER.	1	— 5	— 1	1	8	11	11	2	— 2	—16	2	—23	—16	183
	2	— 3	—11	—11	— 9	— 4	2	2	1	4	9	— 1	— 2	113
	3	— 3	—11	— 8	—11	— 8	— 6	— 8	— 6	1	5	7	6	116
	4	3	4	1	— 1	0	— 8	— 8	— 3	1	— 3	— 7	— 3	86
	5	9	2	1	1	1	— 1	— 5	1	2	1	2	3	58
	6	— 5	—12	— 4	3	4	— 1	1	2	3	2	2	— 1	97
	7	—11	—10	— 5	2	19	27	28	19	4	—17	— 4	— 8	232
	8	—29	—26	—23	—15	—32	— 8	3	4	9	14	11	9	308
	9	9	6	8	4	1	2	5	5	10	4	1	0	95
	10	— 2	5	1	—14	—17	—12	—11	—14	13	—15	12	5	185
	11	—30	7	20	33	— 6	—35	—38	—12	—12	—45	—14	16	358
	12	— 3	— 7	4	—12	—14	—15	— 7	1	3	7	9	2	207
	13	4	1	7	4	— 7	— 8	— 7	1	7	8	7	2	106
	14	6	5	1	2	2	7	11	2	— 6	— 2	— 2	— 4	82
	15	1	6	5	6	2	0	0	— 1	0	1	3	3	95
	16	4	8	9	8	8	8	6	5	4	3	— 1	— 3	116
	17	— 1	0	— 1	2	6	— 1	3	4	4	5	9	5	90
	18	0	4	8	21	30	28	— 6	—36	— 9	9	—23	— 6	218
	19	—14	— 7	— 6	6	4	5	1	6	— 1	2	— 5	4	138
	20	— 6	— 2	— 3	— 4	— 4	2	— 3	— 4	— 1	— 4	— 2	— 6	89
	21	— 9	— 3	— 1	— 4	— 2	— 3	— 5	— 1	4	2	3	— 1	107
	22	— 3	— 3	— 2	— 3	— 2	— 6	— 8	7	1	— 4	— 6	4	78
	23	— 5	— 7	— 7	— 8	— 1	— 3	3	0	2	4	3	— 1	98
	24	0	3	4	1	— 5	0	2	4	5	7	3	— 4	71
	25	— 3	— 5	— 2	1	— 3	— 2	— 7	—13	— 8	3	9	4	87
	26	— 3	— 3	— 3	— 7	— 2	2	0	— 6	—11	—12	— 1	6	101
	27	7	4	3	— 2	— 6	— 1	0	— 2	— 3	— 6	— 5	— 3	79
	28	1	— 1	— 2	3	3	— 2	—11	— 1	4	4	6	4	86
	29	3	5	9	10	8	1	1	1	0	— 2	— 3	— 2	88
	30	1	— 8	— 7	— 7	2	9	3	0	4	—17	—20	—23	134
Hourly Amount.	183	177	167	212	214	216	195	164	152	219	204	156	3901	

VERTICAL FORCE. D.
DEVIATIONS. — UNITY = 0.00001 C. G. S.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
NOVEMBER.	1	— 4	— 7	5	—12	— 3	0	3	0	— 6	— 1	— 1	12	—
	2	2	— 6	— 4	— 5	— 9	— 4	— 1	— 4	— 9	—16	—25	—12	—
	3	— 7	67	— 9	—10	71	— 6	— 5	— 4	2	—13	—12	— 5	—
	4	—22	—21	—17	—17	—16	—10	— 6	—14	—14	—16	15	10	—
	5	0	— 1	— 1	1	3	9	13	21	9	— 3	— 3	0	—
	6	— 5	— 3	4	4	3	5	2	5	14	10	11	3	—
	7	10	8	9	3	— 3	— 5	— 9	—11	—11	— 4	— 1	9	—
	8	2	—11	—14	— 7	—13	— 6	—10	—17	— 2	— 3	1	9	—
	9	— 1	0	0	2	3	3	4	9	8	3	— 7	— 9	—
	10	1	— 2	— 2	— 5	— 3	— 2	— 1	— 6	1	— 1	3	0	—
	11	— 2	— 4	—20	— 8	—16	— 8	1	7	17	23	18	31	—
	12	—13	— 5	— 1	0	— 3	—10	— 5	—12	— 9	— 4	—11	— 4	—
	13	6	2	5	1	— 1	10	7	— 2	— 9	—12	— 6	— 7	—
	14	— 1	0	— 1	2	1	2	0	5	1	— 7	—15	—17	—
	15	5	3	5	3	3	2	4	7	9	13	3	— 2	—
	16	— 1	— 4	— 2	— 3	— 5	— 1	8	13	19	21	16	10	—
	17	5	3	4	3	— 5	— 6	— 3	1	6	1	1	— 3	—
	18	— 4	— 7	— 3	— 1	— 2	— 3	— 1	18	23	27	22	12	—
	19	— 5	—10	— 9	11	8	7	— 1	0	—15	—12	6	6	—
	20	9	11	11	10	— 1	10	4	— 5	— 1	— 8	0	2	—
	21	— 8	— 2	1	1	— 2	7	9	17	— 1	— 8	— 6	— 6	—
	22	8	1	— 2	0	1	7	5	— 6	—16	—24	—16	— 1	—
	23	— 4	— 2	1	0	0	— 8	3	4	0	— 6	— 4	4	—
	24	— 2	— 5	0	0	— 2	4	10	8	0	2	— 6	— 5	—
	25	5	— 1	0	— 2	— 5	— 2	— 4	11	8	1	— 3	— 3	—
	26	0	4	4	4	— 2	1	— 4	— 2	— 2	— 4	— 4	— 3	—
	27	— 5	— 8	— 4	— 2	— 4	— 7	1	11	22	17	15	5	—
	28	6	5	7	7	3	5	10	4	— 1	4	— 6	—13	—
	29	— 2	— 4	— 1	— 2	— 6	— 9	— 6	17	17	12	13	5	—
	30	6	4	7	5	1	— 3	—12	—22	—18	— 1	13	19	—
Hourly Amount.		151	211	153	131	198	162	152	263	270	277	263	227	—
Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily Amount.
NOVEMBER.	1	7	5	— 1	— 9	—14	— 8	0	8	14	6	11	12	149
	2	2	3	8	5	— 4	— 8	— 5	— 5	— 8	—15	— 7	— 4	171
	3	19	30	19	10	— 7	—17	—10	—13	—18	56	53	—25	488
	4	7	5	7	7	1	7	10	3	— 1	— 4	0	— 3	233
	5	2	— 6	— 6	— 5	— 6	— 4	2	— 3	— 3	— 6	— 6	— 5	118
	6	1	— 9	—11	—16	—15	— 5	— 2	— 2	— 1	4	4	6	145
	7	15	8	— 3	— 4	—17	—15	—10	— 2	8	21	7	9	202
	8	21	14	9	7	14	2	— 7	— 4	— 5	— 7	— 4	— 2	191
	9	—10	— 6	0	4	6	— 2	— 2	— 2	— 2	0	7	4	94
	10	— 6	— 4	— 5	6	12	11	9	5	— 6	6	—15	— 2	114
	11	10	—17	—28	—38	— 8	29	31	16	11	33	15	— 3	394
	12	— 5	— 6	— 1	5	9	6	2	0	— 4	— 5	— 1	4	125
	13	— 1	6	2	2	7	4	1	— 4	— 5	—10	— 8	2	120
	14	0	4	10	15	12	0	— 6	— 1	4	— 3	— 5	— 2	114
	15	— 7	—10	—14	—14	— 9	0	— 1	3	3	1	— 1	— 3	125
	16	— 6	—19	—18	—20	— 9	— 3	— 3	— 1	— 1	0	2	3	188
	17	— 3	— 4	— 4	0	1	8	4	0	— 2	— 5	— 4	— 5	81
	18	—12	—20	—17	—18	—25	—19	9	34	7	—10	8	3	305
	19	18	4	— 4	— 8	— 7	— 3	1	— 3	2	0	1	1	142
	20	6	— 1	— 9	—11	— 7	— 7	1	3	— 1	1	— 4	1	124
	21	5	6	2	0	0	1	3	— 1	— 2	— 1	0	1	90
	22	15	16	6	4	— 1	3	2	— 8	— 1	— 2	2	— 6	153
	23	8	13	10	6	2	2	— 3	— 1	— 2	— 3	— 4	0	90
	24	— 2	— 3	— 7	— 4	2	— 1	— 2	— 4	— 4	— 6	— 2	4	85
	25	— 3	4	— 1	— 4	2	2	7	13	9	0	— 5	2	97
	26	— 3	— 4	— 8	— 1	2	— 3	4	8	12	8	1	— 4	92
	27	14	—16	15	— 6	0	0	— 5	— 4	— 2	2	2	3	170
	28	—12	— 7	1	1	— 1	1	6	3	— 4	— 7	— 9	— 9	132
	29	— 1	12	—19	—16	— 8	2	— 1	3	5	4	2	5	172
	30	14	14	3	—13	—12	2	2	1	2	2	3	6	185
Hourly Amount.		235	276	248	259	220	175	151	158	149	228	193	139	4889

EASTERLY DECLINATION. D.

DEVIATIONS. — UNITY = 0'.I.

Mean Batavia Time.		1 A.M.	2	3	4	5	6	7	8	9	10	11	12	—
D E C E M B E R.	1	0	— 1	2	— 7	— 7	— 8	—10	4	9	12	6	— 2	—
	2	4	— 3	2	2	— 2	—11	— 5	3	5	6	— 3	— 6	—
	3	— 2	— 3	— 4	— 3	— 1	0	2	— 3	— 1	12	14	8	—
	4	— 1	— 1	— 2	— 4	— 4	0	— 4	4	8	8	5	3	—
	5	0	1	— 1	— 1	0	2	2	5	2	— 4	— 4	— 3	—
	6	5	3	0	0	— 2	— 3	— 1	1	— 2	— 3	— 5	— 3	—
	7	—10	—10	— 7	— 5	1	11	1	8	1	12	16	22	—
	8	—10	— 7	3	— 1	— 3	— 5	6	7	5	9	3	5	—
	9	— 8	— 1	1	2	4	— 4	— 2	— 1	3	12	11	13	—
	10	1	2	1	2	2	4	4	— 6	— 9	— 8	— 3	2	—
	11	4	5	6	7	7	6	4	— 1	—11	—16	—20	—14	—
	12	5	1	6	6	4	0	1	— 8	— 6	— 7	— 8	0	—
	13	— 1	— 2	— 4	— 6	— 5	— 5	1	6	13	9	5	4	—
	14	1	0	1	1	1	— 2	— 2	— 3	— 4	— 4	— 9	—10	—
	15	— 2	— 5	— 2	— 4	— 2	— 1	— 2	— 1	2	— 2	— 1	0	—
	16	1	0	1	1	0	1	4	3	3	— 2	— 5	—13	—
	17	— 5	— 5	— 8	— 9	— 8	— 6	0	16	22	19	16	9	—
	18	— 4	— 5	—10	— 5	— 8	— 5	5	7	19	26	20	9	—
	19	0	— 1	— 1	— 6	— 3	— 7	— 5	1	6	8	11	6	—
	20	— 2	— 2	— 1	2	0	— 3	— 3	— 4	— 2	7	8	2	—
	21	— 7	— 6	— 7	— 8	— 2	— 5	3	9	20	21	25	25	—
	22	3	1	— 1	— 2	— 1	— 2	— 5	— 5	— 4	2	— 1	5	—
	23	— 4	— 5	— 4	— 4	— 1	— 4	— 3	— 2	4	7	5	3	—
	24	1	1	3	3	6	6	— 4	—12	—20	— 6	6	5	—
	25	1	1	1	— 2	— 2	— 5	— 1	8	5	— 6	— 1	7	—
	26	5	5	6	2	2	10	6	0	— 5	—15	—23	—13	—
	27	5	3	4	1	0	— 5	—10	— 5	— 2	— 2	— 6	— 6	—
	28	5	5	6	7	7	5	2	3	0	— 8	—20	—24	—
	29	— 5	— 8	— 3	— 5	— 4	— 7	— 5	5	9	1	11	1	—
	30	3	7	9	8	7	8	3	5	2	— 6	—21	—24	—
	31	1	1	— 9	— 8	— 7	4	0	— 1	2	0	— 6	— 4	—

Hourly Amount.	106	101	116	124	103	145	106	147	206	260	298	251	—
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Mean Batavia time.		1 P.M.	2	3	4	5	6	7	8	9	10	11	12	Daily Amount.
D E C E M B E R.	1	— 8	—10	— 7	3	6	3	0	1	1	2	3	3	115
	2	— 3	0	— 1	1	2	3	1	— 3	— 3	— 1	— 4	— 2	76
	3	2	0	— 3	— 5	— 2	— 2	0	— 1	— 4	— 4	— 3	0	79
	4	5	— 3	— 5	— 4	— 3	1	1	1	1	— 4	— 1	0	73
	5	0	— 1	— 2	— 1	— 2	— 2	3	3	4	5	4	4	56
	6	2	8	6	4	— 5	— 3	— 2	0	1	— 7	— 8	—13	87
	7	4	0	— 5	— 8	— 5	7	— 5	— 3	— 5	— 7	— 1	— 6	160
	8	1	— 1	1	— 2	6	— 3	— 2	— 3	— 2	— 7	— 6	—12	110
	9	8	4	4	— 5	— 3	— 2	— 9	— 4	— 5	— 5	— 2	0	113
	10	4	3	3	2	1	2	— 1	0	— 2	0	1	4	67
	11	— 3	1	4	1	— 2	— 1	— 3	— 2	2	6	5	6	137
	12	— 2	1	0	1	— 1	— 2	0	— 2	1	— 1	— 1	— 1	65
	13	9	12	8	0	— 4	— 4	— 2	— 1	1	3	— 2	0	107
	14	— 7	0	1	5	8	3	2	5	5	1	1	— 1	77
	15	3	0	— 1	1	0	3	3	1	— 1	— 2	— 1	1	41
	16	—16	—12	1	6	9	9	8	5	1	0	— 3	— 6	110
	17	0	— 6	— 3	— 4	— 7	— 2	— 5	— 4	— 3	— 3	— 5	— 5	170
	18	— 3	— 4	— 4	— 4	— 5	— 6	— 5	— 1	0	— 2	1	0	158
	19	— 4	— 6	— 8	— 4	3	2	0	0	2	0	0	— 3	85
	20	0	— 4	— 3	— 4	0	5	0	0	— 1	0	— 2	— 1	56
	21	14	— 3	—11	—17	—14	—11	—10	— 7	— 3	2	2	5	237
	22	0	0	3	— 1	— 2	2	3	1	0	2	2	3	51
	23	3	6	7	2	— 3	— 3	— 2	0	3	— 2	1	1	79
	24	7	5	— 5	—13	—10	— 1	1	— 1	— 1	1	1	0	119
	25	10	8	8	1	— 4	— 7	— 6	— 1	— 1	3	2	3	94
	26	6	7	0	— 2	— 3	— 5	— 2	— 1	5	5	4	5	137
	27	0	1	6	6	— 2	— 1	— 2	1	0	1	3	3	75
	28	—15	— 8	0	7	8	3	4	9	6	5	— 1	2	160
	29	2	0	2	0	— 3	— 4	— 3	— 2	— 1	0	3	2	86
	30	—24	—15	0	8	9	11	8	3	4	6	4	4	199
	31	2	— 2	— 4	0	— 2	— 3	1	2	4	4	4	3	74

Hourly Amount.	167	131	116	120	134	116	94	68	73	91	81	99	3253
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HORIZONTAL FORCE. D.

DEVIATIONS. — UNITY == 0.00001 C. G. S.

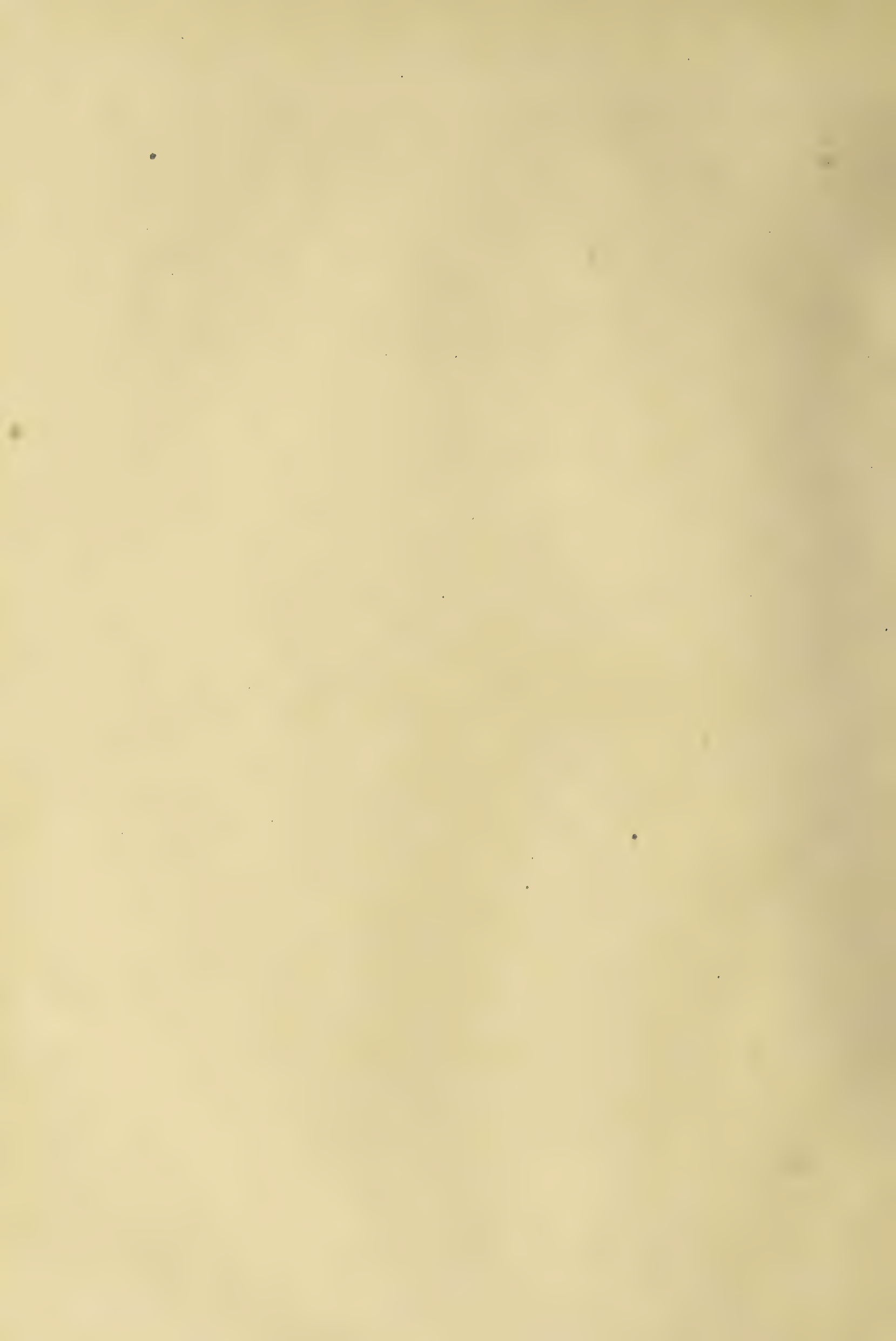
Mean Batavia Time.	1 A.M.	2	3	4	5	6	7	8	9	10	11	12	—	
DECEMBER.	1	9	10	14	17	— 5	4	—13	10	9	— 2	— 1	— 1	—
	2	1	3	2	2	5	14	21	— 1	— 3	— 7	— 2	— 8	—
	3	1	5	6	9	11	16	15	5	— 2	—16	—15	—13	—
	4	— 1	2	6	4	0	— 7	2	6	4	5	4	1	—
	5	1	— 2	— 2	— 2	— 2	— 3	— 2	— 5	— 4	— 3	1	— 2	—
	6	— 1	— 1	6	7	14	12	12	6	9	10	4	— 5	—
	7	4	— 3	— 6	—13	2	1	14	6	4	— 8	—22	—15	—
	8	0	— 6	6	6	9	8	4	0	— 9	— 5	2	4	—
	9	12	— 5	— 4	0	2	— 1	— 4	— 3	— 3	— 1	9	— 3	—
	10	3	11	1	2	— 2	— 1	0	1	4	9	7	— 1	—
	11	1	— 2	— 2	— 2	— 1	— 1	— 2	— 2	— 5	— 1	6	5	—
	12	1	— 1	0	— 3	— 2	— 3	— 1	5	3	7	9	4	—
	13	— 3	— 5	— 8	— 6	— 8	—10	— 7	— 6	— 8	3	13	12	—
	14	— 5	— 4	—10	— 8	— 6	— 5	— 4	— 7	1	5	10	11	—
	15	— 7	— 6	6	3	— 1	— 2	0	— 3	— 9	— 5	— 3	1	—
	16	0	4	2	0	0	3	— 1	— 2	— 6	— 6	5	8	—
	17	— 6	— 2	— 4	— 2	— 2	— 1	2	— 6	—14	— 9	— 2	4	—
	18	3	— 1	0	— 3	— 2	1	5	8	4	— 5	— 8	— 8	—
	19	— 1	0	7	9	4	5	3	4	— 1	— 4	— 6	— 4	—
	20	— 1	— 4	— 4	— 2	3	4	3	1	— 4	— 6	— 4	0	—
	21	— 1	— 1	4	— 2	— 1	6	5	7	2	7	— 2	— 1	—
	22	3	11	12	5	3	0	— 1	— 4	5	0	1	5	—
	23	8	2	— 2	— 6	— 4	— 9	— 5	— 3	— 1	— 3	0	1	—
	24	— 3	— 2	— 3	— 4	4	0	— 6	— 5	2	8	12	9	—
	25	— 4	— 4	— 7	— 7	— 9	— 7	—11	—11	— 2	7	4	8	—
	26	—10	—11	—10	— 7	— 4	— 9	— 6	—10	0	6	3	9	—
	27	1	— 2	— 7	— 9	— 6	— 5	1	— 2	— 4	3	— 2	0	—
	28	0	0	— 4	— 6	— 4	— 1	— 2	— 5	— 9	— 9	— 7	1	—
	29	— 4	— 6	— 3	7	3	5	6	— 3	— 7	— 2	—14	— 7	—
	30	— 1	— 4	— 7	0	— 3	— 2	1	— 3	9	5	3	— 1	—
	31	4	2	19	5	13	—13	—18	—25	—24	—17	—12	— 2	—
Hourly Amount.	100	122	174	158	135	159	177	165	171	184	193	154	—	

Mean Batavia Time.	1 P.M.	2	3	4	5	6	7	8	9	10	11	12	Daily Amount.	
DECEMBER.	1	0	1	3	7	4	1	1	2	3	4	1	1	123
	2	—11	— 7	— 3	— 4	2	4	0	— 3	—11	— 6	— 4	— 1	125
	3	— 7	— 2	— 5	— 5	2	— 3	0	— 3	— 3	— 2	— 1	— 2	149
	4	— 2	— 4	— 1	1	0	— 2	— 2	— 2	— 2	2	4	2	66
	5	0	— 1	2	1	— 1	— 4	2	0	— 1	— 3	0	5	49
	6	2	— 6	—14	—31	2	13	21	14	4	— 1	—13	—13	221
	7	—13	—10	—16	2	19	— 1	17	4	—14	3	— 2	24	223
	8	2	— 9	—15	— 8	—20	— 4	— 3	7	0	6	2	13	148
	9	0	1	— 7	0	— 6	— 9	— 1	0	— 3	9	4	— 2	89
	10	— 3	— 5	— 9	— 4	—11	— 2	2	3	3	4	2	0	90
	11	8	— 4	— 9	— 9	— 8	— 5	1	1	4	4	7	2	92
	12	— 2	— 7	— 8	— 5	— 2	1	5	5	5	4	6	2	91
	13	12	— 5	2	5	4	— 4	— 2	1	— 1	5	11	3	144
	14	9	2	— 4	— 2	1	— 2	2	5	3	6	10	— 3	125
	15	10	— 1	— 7	— 5	— 1	— 4	— 2	3	2	2	3	5	91
	16	9	4	— 1	0	— 4	— 4	— 1	1	0	— 4	3	— 3	71
	17	4	11	8	— 1	5	10	10	12	1	—13	—12	— 3	149
	18	— 2	1	4	4	—10	—12	—14	1	— 2	6	1	— 2	107
	19	— 1	4	6	5	— 2	— 3	3	6	— 4	— 7	—11	9	109
	20	— 3	1	— 6	— 7	— 4	— 1	4	0	0	— 2	— 4	— 5	73
	21	— 3	— 5	— 9	— 8	— 5	— 6	— 7	1	3	6	4	4	100
	22	2	— 1	— 7	— 5	— 2	4	6	2	3	— 4	—10	— 6	102
	23	3	7	5	5	5	3	0	—11	—14	— 2	4	3	106
	24	2	— 2	— 7	— 2	— 2	— 2	5	5	1	2	— 1	— 1	90
	25	8	9	4	2	— 1	0	7	14	14	12	10	— 2	164
	26	3	1	— 8	— 7	— 4	4	9	9	— 2	4	7	4	147
	27	0	3	— 5	— 2	1	0	3	2	3	2	3	2	68
	28	7	5	18	14	21	21	23	— 8	—21	—15	— 7	0	211
	29	— 4	— 1	6	6	0	— 7	— 3	— 7	— 3	— 1	— 1	— 3	109
	30	0	5	9	0	1	3	0	— 1	0	8	9	9	84
	31	6	14	17	12	11	8	5	4	7	3	3	0	244
Hourly Amount.	138	139	225	169	161	150	161	137	137	157	160	134	3760	

VERTICAL FORCE. D.

DEVIATIONS. — UNITY = 0.00001 C. G. S.

Mean Batavia Time.	1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—	
DECEMBER.	1	3	3	5	5	1	— 4	—19	—31	—30	—20	— 2	14	—
	2	— 7	—14	—14	—16	— 2	— 9	0	20	14	16	7	2	—
	3	— 2	— 4	— 1	1	3	12	17	5	0	2	6	4	—
	4	— 6	— 9	— 9	—10	—14	—18	—16	— 1	0	5	8	9	—
	5	— 2	— 2	3	1	0	0	1	— 1	4	13	5	1	—
	6	— 1	— 1	— 3	— 1	— 9	— 2	2	7	5	1	—11	—14	—
	7	— 1	2	5	3	— 8	— 8	—13	— 1	— 9	—12	— 3	— 7	—
	8	2	7	— 3	— 4	— 5	— 2	2	0	— 1	— 4	—12	— 4	—
	9	— 4	5	1	0	0	3	3	— 8	—15	—21	—16	— 2	—
	10	— 5	— 9	— 6	— 5	— 5	— 4	3	19	7	— 7	—11	— 5	—
	11	0	— 1	3	2	2	4	12	11	15	14	4	—13	—
	12	3	1	2	2	1	5	3	—12	— 5	— 2	0	— 2	—
	13	0	1	4	3	0	— 3	— 3	—13	— 9	— 4	— 1	2	—
	14	4	3	10	10	7	4	3	— 4	—10	— 8	— 7	— 5	—
	15	9	5	— 2	1	— 2	1	— 2	4	1	— 5	— 4	— 7	—
	16	— 2	— 4	— 1	— 3	— 3	— 8	—12	— 5	0	0	9	7	—
	17	4	— 3	0	— 2	— 7	—10	—16	1	1	3	4	6	—
	18	— 3	— 2	2	— 2	— 6	—10	—13	—13	—20	—11	— 1	17	—
	19	0	— 3	— 2	— 4	— 2	5	— 4	—15	— 6	— 1	1	4	—
	20	— 1	— 1	— 1	— 3	— 6	— 5	—12	— 6	—10	— 8	1	7	—
	21	— 1	— 5	— 8	— 5	— 6	— 3	— 9	—24	—22	— 9	0	12	—
	22	— 2	—10	— 6	1	4	8	1	—13	—17	—11	— 3	1	—
	23	— 4	0	3	5	1	2	— 3	—11	—11	— 2	7	4	—
	24	— 2	— 6	— 5	— 6	—12	— 3	2	19	13	—13	—19	— 7	—
	25	0	— 3	— 2	— 4	— 7	— 9	—10	9	21	12	—14	—16	—
	26	24	21	24	23	17	20	24	—18	— 7	4	4	— 5	—
	27	7	3	9	10	8	14	1	—12	—12	— 6	— 3	— 2	—
	28	1	1	6	4	1	— 2	— 2	3	17	22	21	0	—
	29	7	6	6	— 1	— 1	0	— 1	8	15	18	8	—11	—
	30	1	— 2	3	0	0	0	— 2	— 2	4	15	11	6	—
	31	4	5	0	11	17	15	14	12	12	12	2	—16	—
Hourly Amount.	112	142	149	151	157	193	225	308	313	281	205	212	—	
Mean Batavia Time.	1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily Amount.	
DECEMBER.	1	21	32	30	16	— 1	—13	— 6	— 6	—10	— 2	— 4	1	279
	2	— 2	— 1	1	4	2	4	— 2	0	0	— 1	— 1	— 2	111
	3	— 2	— 2	— 5	— 6	—13	—10	— 4	3	9	2	— 4	— 3	120
	4	12	19	14	5	2	1	2	3	3	— 1	— 2	0	169
	5	—15	—15	— 8	— 5	3	6	2	1	1	1	1	— 1	92
	6	— 7	1	12	25	4	— 9	—12	— 7	1	10	19	16	183
	7	— 3	— 1	13	2	—13	— 3	— 2	8	24	6	13	— 5	165
	8	0	9	12	5	8	1	1	— 5	3	3	3	1	97
	9	8	12	4	— 2	3	8	4	2	2	— 7	— 6	— 5	141
	10	— 1	5	11	10	11	0	— 3	— 1	— 1	— 2	— 2	— 1	134
	11	—18	— 8	— 3	1	4	1	— 3	— 3	— 2	— 4	— 3	2	133
	12	3	11	12	6	3	— 2	— 3	— 4	— 3	— 2	— 2	— 1	90
	13	— 2	7	10	7	13	10	3	— 3	— 4	— 7	— 6	0	115
	14	— 6	— 2	5	— 3	— 1	3	2	— 1	— 1	0	— 1	7	107
	15	— 6	5	15	5	2	0	— 1	— 5	— 4	— 5	— 7	— 7	105
	16	2	— 1	— 5	— 3	3	6	4	2	0	3	— 1	3	87
	17	1	— 7	4	12	7	— 1	— 7	— 5	0	12	11	2	126
	18	15	20	16	14	15	12	9	— 2	— 4	—10	— 5	0	222
	19	3	1	— 3	— 3	1	4	1	— 3	3	4	6	— 9	88
	20	14	15	19	10	5	3	1	2	5	4	5	4	148
	21	18	20	22	18	6	8	8	2	— 1	— 6	— 3	2	218
	22	9	3	1	— 2	— 4	— 5	— 3	— 2	0	3	9	5	123
	23	3	— 2	— 7	— 5	— 1	0	2	9	10	0	— 7	— 5	104
	24	3	9	19	14	6	— 1	— 6	— 2	— 1	— 3	1	0	172
	25	— 3	— 2	6	9	7	1	— 9	—13	— 8	— 6	— 3	13	187
	26	—10	— 1	2	4	— 3	—13	—17	—18	— 5	— 8	— 6	0	278
	27	5	4	0	1	1	— 2	— 6	— 8	— 9	— 7	— 9	— 4	143
	28	—23	—25	—32	— 6	— 7	— 8	—10	12	17	7	0	— 1	228
	29	—18	—19	—13	— 3	3	6	3	3	3	— 4	— 3	0	160
	30	— 4	—17	—15	— 7	— 3	— 3	— 3	— 2	— 2	— 7	— 7	— 3	119
	31	—16	—16	—11	— 1	— 3	— 4	— 6	— 5	— 6	— 8	—10	— 6	212
Hourly Amount.	253	292	330	214	158	148	145	142	142	145	160	109	4686	



TABLES OF RESULTS.

TABLE 1. Values of the zero-line in absolute measure.

	Easterly Declination.			Horizontal Force. c. g. s.		Vertical Force. c. g. s.	
July—August. 1882.	1° 0.41	W. d.		0.36642	W. d.	0.19333	—
September—October. 1882.	1° 0.41	W. d.		0.36673	W. d.	0.19333	W. d.
November 1882.	1° 0.41	W. d.		0.36750	W. d.	0.19253	W. d.
—							
April—May—June 1883.	0° 59.41	W. d.	R	0.36740	W. d.	0.18914	W. d. R
July—August. 1883.	0° 59.41	W. d.		0.36802	W. d.	0.18886	W. d.
September—October. 1883.	0° 59.41	W. d.		0.37052	W. d.	0.19145	— R
November—December 1883.	0° 59.41	—		0.37102	—	0.19145	W. d.
—							
January—February 1884.	0° 59.30	—		0.36953	—	0.19145	—
March—April. 1884.	0° 59.30	—		0.36987	—	0.19145	—
May—June. 1884.	0° 59.30	—		0.37018	W. d.	0.19145	—
July—August. 1884.	0° 59.30	—		0.37049	W. d.	0.19145	—
September—October. 1884.	1° 1.13	W. d.	R	0.37076	W. d.	0.19615	— R
November—December 1884.	1° 1.13	W. d.		0.37024	W. d.	0.19650	W. d. R
—							
January—February 1885.	1° 0.63	W. d.	R	0.36874	W. d. R	0.19645	W. d.
March—April. 1885.	1° 28.12	W. d.	R	0.36902	W. d.	0.19578	W. d.
May—June. 1885.	1° 27.20	W. d.		0.36934	W. d.	0.19555	W. d.
July—August. 1885.	1° 27.77	W. d.	R	0.36956	W. d.	0.19561	W. d.
September—October. 1885.	1° 4.74	W. d.		0.36973	W. d.	0.19700	W. d.
November—December 1885.	1° 4.74	W. d.		0.37009	W. d. R	0.19644	W. d.

TABLE 2. Monthly means in absolute measure, minutes of arc and c. g. s. unity.

		January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Year.
E. Declin. 1882.	1° 50' +	—	—	—	—	—	—	6.8	6.8	6.7	7.2	7.6	—	—
E. Declin. 1883.	1° 50' +	—	—	—	7.7	7.6	7.1	6.7	6.1	6.2	6.3	6.5	6.2	—
E. Declin. 1884.	1° 50' +	6.2	6.2	6.4	6.1	5.9	5.5	5.1	5.0	4.5	4.4	4.5	3.5	5.3
E. Declin. 1885.	1° 50' +	4.4	4.6	4.1	3.7	4.0	3.2	2.9	3.3	3.2	2.6	2.3	1.6	3.3
H. Force. 1882.	0.36800 +	—	—	—	—	—	—	59	14	29	—11	30	—	—
H. Force. 1883.	0.36800 +	—	—	—	100	85	63	63	128	293	307	313	357	—
H. Force. 1884.	0.36800 +	362	359	353	340	339	344	338	356	351	332	320	335	344
H. Force. 1885.	0.36800 +	328	338	318	324	317	340	343	345	327	332	324	353	332
V. Force. 1882.	0.19500 +	—	—	—	—	—	—	136	156	159	155	101	—	—
V. Force. 1883.	0.19500 +	—	—	—	98	108	145	162	180	140	140	92	118	—
V. Force. 1884.	0.19500 +	133	156	198	287	316	329	369	356	303	342	343	346	289
V. Force. 1885.	0.19500 +	308	346	349	370	365	396	382	394	418	422	427	436	385
S. Incln. 1882.	27 +	—	—	—	—	—	—	1° 2.82	1° 5.93	1° 5.57	1° 6.83	1° 1.33	—	—
S. Incln. 1883.	27 +	—	—	—	58.35	59.67	1° 3.23	1° 4.48	1° 3.27	54.02	53.48	49.78	49.98	—
S. Incln. 1884.	27 +	50.95	52.62	55.96	1° 2.96	1° 5.02	1° 5.78	1° 8.95	1° 7.18	1° 3.57	1° 7.35	1° 7.86	1° 7.59	1° 2.95
S. Incln. 1885.	27 +	1° 4.93	1° 7.20	1° 8.30	1° 9.63	1° 9.53	1° 10.91	1° 9.73	1° 10.51	1° 13.00	1° 13.10	1° 13.71	1° 13.28	1° 10.33
T. Force. 1882.	0.41700 +	—	—	—	—	—	—	64	32	47	10	21	—	—
T. Force. 1883.	0.41700 +	—	—	—	—	74	71	79	141	271	284	267	319	—
T. Force. 1884.	0.41700 +	330	338	351	382	395	405	418	419	399	401	390	405	387
T. Force. 1885.	0.41700 +	381	407	391	406	398	433	429	436	431	438	433	463	421

TABLE 3. Mean diurnal variation of Easterly Declination for each month of the year 1884.
Uncorrected for disturbances; minutes of arc.

	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Year.
1 a. m.	0.1	0.0	0.0	0.1	0.1	0.0	0.0	0.2	0.2	0.2	−0.2	0.0	0.08
2	0.1	0.0	0.0	0.3	0.2	0.2	0.2	0.3	0.3	0.2	−0.4	−0.1	0.14
3	0.2	0.0	0.0	0.4	0.3	0.3	0.4	0.5	0.4	0.3	−0.4	−0.1	0.19
4	0.1	−0.1	−0.2	0.3	0.3	0.4	0.5	0.6	0.4	0.3	−0.5	−0.3	0.17
5	−0.1	−0.4	−0.3	0.2	0.3	0.5	0.6	0.8	0.4	0.2	−0.8	−0.7	0.07
6	−0.7	−1.2	−0.7	0.2	0.7	0.8	1.0	1.2	0.8	−0.1	−1.8	−1.3	−0.08
7	−1.9	−2.4	−1.5	−0.3	0.9	0.5	1.4	1.5	0.6	−1.0	−2.2	−1.8	−0.43
8	−2.6	−2.9	−2.7	−1.8	−0.6	0.6	0.1	−0.4	−0.9	−2.1	−2.3	−2.2	−1.47
9	−2.5	−2.0	−2.7	−2.7	−1.8	−1.5	−1.2	−1.9	−1.9	−2.4	−1.7	−1.8	−1.92
10	−2.3	−0.7	−1.8	−2.2	−2.1	−1.2	−1.8	−2.6	−2.1	−2.0	−0.8	−1.4	−1.75
11	−1.2	0.6	−0.4	−1.2	−2.0	−1.4	−1.6	−2.5	−1.6	−0.9	0.4	−0.6	−1.03
12	0.5	1.6	1.1	−0.4	−1.2	−1.0	−1.2	−1.8	−0.9	0.5	1.5	0.4	−0.06
1 p. m.	1.6	2.0	1.9	0.4	−0.2	−0.6	−0.5	−0.6	−0.2	1.5	2.1	1.3	0.74
2	1.9	1.7	1.9	1.0	0.6	0.1	0.6	0.4	0.2	1.7	2.1	1.5	1.17
3	1.9	1.4	1.6	1.4	1.3	0.7	1.0	1.2	0.8	1.5	2.0	1.5	1.37
4	1.6	0.9	1.0	1.3	1.5	1.1	1.0	1.3	1.0	1.2	1.4	1.4	1.23
5	1.0	0.6	0.7	0.9	1.0	0.8	0.7	1.1	0.9	0.7	0.9	0.9	0.85
6	0.5	0.4	0.5	0.7	0.4	0.1	0.0	0.5	0.5	0.4	0.3	0.3	0.40
7	0.7	0.5	0.6	0.5	0.2	−0.1	−0.2	0.2	0.4	0.4	0.4	0.6	0.36
8	0.5	0.3	0.3	0.1	−0.1	−0.3	−0.3	0.1	0.3	0.3	0.2	0.5	0.18
9	0.3	0.3	0.1	0.1	−0.2	−0.4	−0.4	−0.2	0.1	0.1	0.0	0.4	0.03
10	0.2	0.2	0.0	0.0	−0.2	−0.5	−0.5	−0.1	0.0	−0.1	−0.2	0.2	−0.08
11	0.1	0.1	−0.1	0.0	−0.1	−0.4	−0.3	−0.1	0.1	0.0	−0.3	0.1	−0.05
12	0.1	0.1	−0.2	0.1	0.0	−0.2	−0.2	0.0	0.1	−0.1	−0.3	0.1	−0.02
Total amount of variation.	22.7	20.4	20.3	16.6	16.3	13.7	15.7	20.1	15.1	18.2	23.2	19.5	13.87

TABLE 4. Mean diurnal variation of Easterly Declination for each month of the year 1885.
Uncorrected for disturbances; minutes of arc.

	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Year.
1	0.0	0.1	0.0	0.1	0.0	0.0	0.0	−0.2	−0.2	0.0	−0.2	−0.3	−0.06
2	−0.1	0.1	0.0	0.2	0.0	0.1	0.1	0.0	−0.1	0.0	−0.1	−0.3	0.00
3	−0.3	0.0	0.0	0.2	0.1	0.2	0.3	0.1	0.0	0.1	−0.3	−0.4	0.01
4	−0.7	0.0	−0.1	0.0	0.2	0.3	0.4	0.2	0.0	0.1	−0.4	−0.6	−0.03
5	−1.0	0.1	−0.2	−0.1	0.3	0.3	0.5	0.5	0.2	0.0	−0.6	−0.7	−0.06
6	−1.8	−0.3	−0.3	−0.2	0.5	0.5	0.8	1.1	0.6	−0.2	−1.3	−1.4	−0.16
7	−2.4	−1.7	−1.1	−0.7	0.8	1.0	1.2	1.4	0.7	−1.0	−2.0	−2.0	−0.47
8	−2.2	−3.2	−2.2	−1.9	−0.2	0.3	0.4	0.4	−0.4	−2.1	−2.4	−2.0	−1.26
9	−1.1	−3.5	−2.1	−2.2	−1.1	−0.6	−0.6	−0.8	−1.1	−2.4	−2.2	−1.6	−1.59
10	−0.2	−2.9	−1.5	−1.5	−1.2	−1.1	−1.4	−1.6	−1.3	−2.1	−1.4	−0.9	−1.40
11	0.4	−1.2	−0.5	−0.5	−1.2	−1.2	−1.5	−2.0	−1.1	−1.2	−0.3	−0.2	−0.87
12	1.1	0.5	0.4	0.4	−0.8	−0.7	−1.3	−2.0	−0.8	0.3	0.9	0.8	−0.11
1 p. m.	1.2	1.7	1.0	0.7	−0.2	−0.2	−0.6	−1.2	−0.3	1.5	1.7	1.6	0.58
2	1.2	2.1	1.5	0.8	0.4	0.4	0.2	−0.3	0.2	1.8	2.1	1.8	1.01
3	1.1	2.1	1.7	1.1	0.8	0.8	1.0	1.0	1.1	1.8	2.0	1.9	1.35
4	0.8	1.5	1.4	1.2	1.0	0.9	1.3	1.6	1.5	1.4	1.7	1.4	1.30
5	0.5	1.0	1.1	1.1	0.8	0.8	1.0	1.6	1.3	1.2	1.2	0.9	1.04
6	0.5	0.7	0.7	0.6	0.5	0.1	0.1	0.7	0.6	0.7	0.5	0.4	0.53
7	0.6	0.8	0.6	0.5	0.2	−0.1	−0.1	0.2	0.3	0.6	0.5	0.3	0.37
8	0.4	0.4	0.4	0.1	0.0	−0.3	−0.3	0.0	0.1	0.3	0.3	0.3	0.14
9	0.5	0.4	0.2	−0.1	−0.2	−0.4	−0.4	−0.3	−0.1	0.2	0.1	0.2	0.01
10	0.2	0.2	0.0	−0.1	−0.2	−0.4	−0.4	−0.4	−0.3	0.0	−0.1	−0.1	−0.12
11	0.2	0.1	0.0	−0.1	−0.2	−0.3	−0.3	−0.4	−0.2	−0.1	−0.1	−0.1	−0.14
12	0.1	−0.1	−0.2	−0.1	−0.2	−0.2	−0.2	−0.4	−0.2	0.0	−0.3	−0.3	−0.16
Total amount of variation.	18.6	24.7	17.2	14.5	11.1	11.2	14.4	18.4	12.7	19.1	22.7	20.5	12.77

TABLE 5. Mean diurnal variation of Horizontal Force for each month of the year 1884.
Uncorrected for disturbances. Unity = 0.00001 c. g. s.

	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Year.
1 a. m.	— 15	— 14	— 19	— 17	— 14	— 14	— 13	— 14	— 15	— 14	— 14	— 11	— 14.4°
2	— 14	— 14	— 18	— 14	— 12	— 13	— 12	— 13	— 13	— 11	— 10	— 10	— 12.4
3	— 14	— 11	— 13	— 12	— 10	— 11	— 7	— 12	— 12	— 11	— 7	— 8	— 10.5
4	— 13	— 12	— 12	— 11	— 8	— 9	— 5	— 10	— 9	— 7	— 6	— 7	— 9.0
5	— 12	— 10	— 10	— 10	— 6	— 5	— 1	— 7	— 8	— 5	— 5	— 2	— 6.6
6	— 9	— 7	— 7	— 7	— 2	1	2	— 2	— 6	1	— 2	— 1	— 2.9
7	— 2	— 1	— 2	2	6	11	8	6	5	4	4	4	4.0
8	6	11	12	15	17	20	17	19	20	16	13	11	14.9
9	22	24	29	32	28	29	25	30	34	30	23	20	27.3
10	41	36	43	45	40	38	34	39	42	36	33	28	37.9
11	49	41	48	54	44	39	37	42	47	39	33	29	41.9
12	44	37	49	50	37	34	33	33	41	37	28	26	37.6
1 p. m.	35	28	36	34	25	23	22	23	27	26	18	17	26.4
2	20	17	18	19	12	13	9	10	9	10	9	8	13.0
3	6	5	3	0	0	— 1	— 5	— 4	— 6	— 2	1	— 2	— 0.3
4	— 7	— 6	— 7	— 12	— 12	— 15	— 15	— 13	— 15	— 10	— 6	— 9	— 10.4
5	— 14	— 12	— 15	— 14	— 17	— 20	— 18	— 17	— 18	— 15	— 11	— 13	— 15.1
6	— 17	— 14	— 17	— 16	— 15	— 18	— 16	— 17	— 17	— 17	— 15	— 14	— 16.0
7	— 18	— 16	— 19	— 21	— 15	— 18	— 14	— 18	— 17	— 18	— 19	— 14	— 17.0
8	— 18	— 15	— 22	— 22	— 17	— 19	— 16	— 19	— 20	— 20	— 16	— 12	— 17.9
9	— 18	— 14	— 23	— 25	— 20	— 21	— 18	— 17	— 21	— 19	— 17	— 14	— 18.7
10	— 18	— 15	— 23	— 23	— 20	— 20	— 18	— 17	— 21	— 18	— 18	— 11	— 18.3
11	— 17	— 16	— 23	— 22	— 18	— 19	— 17	— 17	— 21	— 16	— 14	— 12	— 17.6
12	— 16	— 16	— 21	— 19	— 14	— 16	— 15	— 16	— 19	— 16	— 15	— 11	— 16.1
Total amount of variation.	445	392	489	496	409	427	377	415	463	398	337	294	406.2

TABLE 6. Mean diurnal variation of Horizontal Force for each month of the year 1885.
Uncorrected for disturbances. Unity = 0.00001 c. g. s.

	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Year.
1 a. m.	— 9	— 15	— 17	— 17	— 13	— 12	— 14	— 12	— 14	— 14	— 10	— 10	— 13.0
2	— 9	— 15	— 12	— 15	— 11	— 10	— 11	— 10	— 12	— 11	— 10	— 10	— 11.3
3	— 9	— 10	— 12	— 11	— 9	— 8	— 10	— 7	— 8	— 8	— 7	— 6	— 8.7
4	— 8	— 11	— 9	— 8	— 9	— 6	— 7	— 4	— 8	— 5	— 6	— 6	— 7.1
5	— 7	— 11	— 6	— 6	— 5	— 2	— 4	0	— 4	— 3	— 4	— 5	— 4.6
6	— 3	— 10	— 5	— 1	0	3	0	5	0	0	— 1	— 1	— 0.8
7	4	— 6	— 1	7	10	9	10	16	10	6	5	5	6.5
8	8	3	8	20	17	16	18	25	22	17	14	9	14.9
9	18	18	21	32	28	23	26	32	32	27	22	16	24.7
10	29	34	31	43	38	31	32	38	39	33	27	23	33.1
11	33	40	40	50	39	36	35	38	41	36	28	27	36.8
12	28	40	42	43	33	31	31	31	36	35	24	25	33.2
1 p. m.	18	31	35	27	22	21	23	18	25	26	16	19	23.3
2	8	21	17	13	8	9	11	6	8	10	10	11	11.0
3	— 1	7	1	— 1	— 3	— 2	— 1	— 6	5	— 1	3	2	— 0.7
4	— 10	— 3	— 8	— 12	— 10	— 12	— 10	20	— 15	— 9	— 3	— 5	— 9.9
5	— 14	— 8	— 10	— 17	— 15	— 18	— 15	— 22	— 18	— 15	— 8	— 7	— 13.9
6	— 13	— 8	— 12	— 18	— 18	— 19	— 14	— 20	— 19	— 17	— 10	— 9	— 14.8
7	— 13	— 15	— 16	— 20	— 17	— 18	— 14	— 18	— 19	— 19	— 15	— 9	— 15.9
8	— 12	— 16	— 18	— 22	— 17	— 19	— 15	— 21	— 20	— 17	— 14	— 10	— 16.7
9	— 13	— 16	— 17	— 21	— 17	— 19	— 16	— 19	— 24	— 16	— 13	— 13	— 17.0
10	— 13	— 16	— 17	— 20	— 21	— 18	— 15	— 18	— 22	— 19	— 15	— 12	— 17.1
11	— 13	— 18	— 18	— 18	— 22	— 15	— 17	— 18	— 21	— 18	— 16	— 13	— 17.3
12	— 11	— 17	— 17	— 18	— 17	— 13	— 16	— 14	17	18	— 13	11	— 15.0
Total amount of variation.	304	389	390	460	399	370	365	418	439	380	294	264	367.3

TABLE 7. Mean diurnal variation of Vertical Force for each month of the year 1884.
Uncorrected for disturbances. Unity = 0.00001 c. g. s.

	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Year.
1 a. m.	12	13	12	12	9	7	7	14	9	14	14	8	11.0
2	9	11	10	8	6	5	5	11	5	9	9	7	8.2
3	8	9	8	7	5	3	2	10	3	6	7	6	6.2
4	6	8	6	6	3	0	— 1	7	— 2	2	4	6	3.8
5	5	6	5	5	2	— 2	— 3	3	— 5	— 1	2	4	1.9
6	7	7	5	2	— 3	— 8	— 8	— 3	— 10	— 2	2	7	— 0.1
7	7	7	5	2	— 5	— 12	— 11	— 5	— 10	— 1	— 5	5	— 1.5
8	— 3	— 3	— 3	— 5	— 8	— 17	— 13	— 6	— 13	— 9	— 22	1	— 8.2
9	— 16	— 17	— 18	— 17	— 11	— 17	— 13	— 8	— 23	— 21	— 34	— 8	— 16.7
10	— 31	— 33	— 35	— 32	— 21	— 21	— 19	— 18	— 37	— 36	— 47	— 16	— 28.7
11	— 46	— 41	— 45	— 43	— 27	— 22	— 23	— 24	— 47	— 48	— 52	— 25	— 37.1
12	— 52	— 40	— 46	— 41	— 28	— 22	— 22	— 30	— 42	— 50	— 45	— 27	— 36.6
1 p. m.	— 39	— 30	— 34	— 32	— 23	— 17	— 16	— 25	— 30	— 39	— 31	— 24	— 28.1
2	— 21	— 19	— 18	— 21	— 16	— 11	— 10	— 16	— 12	— 18	— 16	— 14	— 15.8
3	— 4	— 4	— 2	— 6	— 8	— 5	— 2	— 9	4	— 1	0	— 5	— 3.1
4	9	6	8	7	3	6	7	3	14	13	14	2	8.2
5	17	12	14	14	13	15	13	10	21	20	23	9	15.4
6	19	15	16	18	15	17	15	12	25	23	28	10	17.7
7	18	15	19	21	15	17	15	14	28	26	29	9	18.7
8	18	16	20	22	15	17	15	14	25	27	27	8	18.6
9	18	15	21	23	16	17	16	13	25	27	27	8	18.8
10	17	16	20	22	15	16	15	12	24	24	25	8	17.9
11	16	17	21	20	13	14	12	10	24	21	21	8	16.4
12	13	16	17	17	9	11	10	11	20	17	18	7	13.6
Total amount of variation.	411	376	408	403	289	299	273	288	458	455	502	232	352.3

TABLE 8. Mean diurnal variation of Vertical Force for each month of the year 1885.
Uncorrected for disturbances. Unity = 0.00001 c. g. s.

	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Year.
1 a. m.	3	10	12	12	7	7	10	7	6	9	7	10	8.8
2	6	9	7	9	6	5	6	4	5	6	9	9	6.8
3	7	4	6	6	4	5	6	2	2	3	4	7	4.7
4	5	6	4	5	5	3	4	0	1	1	4	6	3.8
5	5	6	3	5	3	1	2	— 3	— 1	1	6	6	2.9
6	7	8	5	3	— 3	— 5	— 3	— 10	— 6	2	7	8	0.9
7	3	15	10	3	— 6	— 8	— 9	— 13	— 7	8	5	4	0.5
8	— 6	13	6	— 4	— 6	— 11	— 11	— 13	— 10	5	— 2	— 5	— 3.6
9	— 16	— 4	— 8	— 18	— 12	— 14	— 14	— 13	— 17	— 8	— 12	— 14	— 12.6
10	— 25	— 25	— 25	— 36	— 23	— 19	— 19	— 18	— 26	— 24	— 26	— 24	— 23.9
11	— 25	— 41	— 34	— 47	— 26	— 24	— 20	— 20	— 30	— 39	— 32	— 31	— 30.6
12	— 22	— 50	— 36	— 40	— 25	— 22	— 18	— 19	— 26	— 48	— 33	— 33	— 30.9
1 p. m.	— 13	— 42	— 31	— 23	— 21	— 16	— 18	— 13	— 18	— 38	— 28	— 29	— 24.1
2	— 6	— 29	— 17	— 10	— 13	— 8	— 15	— 9	— 9	— 20	— 20	— 17	— 14.3
3	2	— 12	— 2	1	— 4	— 4	— 10	— 6	— 3	— 4	— 12	— 4	— 5.6
4	8	3	6	10	4	4	0	3	6	8	— 2	6	4.7
5	10	9	8	15	12	13	9	12	14	15	7	11	11.2
6	8	11	9	17	16	19	15	17	17	17	13	12	14.3
7	8	15	13	18	15	17	15	16	18	17	16	11	15.0
8	8	17	15	19	15	16	15	18	18	16	16	11	15.5
9	8	17	14	18	15	16	16	16	21	15	15	13	15.3
10	9	17	14	16	16	14	15	15	18	17	18	13	15.1
11	9	18	13	15	16	11	14	13	17	15	18	14	14.4
12	8	16	11	13	11	8	12	9	12	13	12	11	11.2
Total amount of variation.	227	397	309	363	284	270	276	269	308	349	324	309	290.1

TABLE 9. Mean diurnal variation of Southerly Inclination for each month of the year 1884.
Uncorrected for disturbances; minutes of arc.

	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Year.
1 a. m.	1.49	1.49	1.57	1.51	1.25	1.06	1.04	1.54	1.23	1.55	1.55	1.01	1.36
2	1.24	1.34	1.38	1.11	0.96	0.87	0.86	1.28	0.86	1.06	1.03	0.91	1.08
3	1.16	1.09	1.05	0.96	0.80	0.65	0.44	1.17	0.67	0.84	0.76	0.76	0.87
4	0.98	1.05	0.86	0.85	0.58	0.36	0.14	0.88	0.19	0.40	0.50	0.72	0.63
5	0.86	0.83	0.71	0.73	0.42	0.05	-0.15	0.47	-0.07	0.11	0.32	0.37	0.39
6	0.90	0.78	0.60	0.39	-0.09	-0.62	-0.64	-0.16	-0.52	-0.20	0.21	0.55	0.10
7	0.63	0.56	0.40	0.04	-0.56	-1.29	-1.09	-0.61	-0.93	-0.09	-0.53	0.21	-0.27
8	-0.41	-0.64	-0.72	-0.97	-1.19	-2.01	-1.58	-1.20	-1.74	-1.29	-2.12	-0.35	-1.18
9	-1.98	-2.16	-2.48	-2.50	-1.83	-2.36	-1.89	-1.75	-3.01	-2.71	-3.39	-1.35	-2.28
10	-3.81	-3.80	-4.25	-4.09	-3.03	-3.00	-2.68	-2.84	-4.34	-4.03	-4.72	-2.25	-3.57
11	-5.22	-4.57	-5.18	-5.24	-3.62	-3.11	-3.09	-3.39	-5.25	-5.03	-5.08	-2.95	-4.31
12	-5.45	-4.34	-5.29	-4.93	-3.43	-2.92	-2.86	-3.48	-4.66	-5.09	-4.38	-2.97	-4.15
1 p. m.	-4.16	-3.26	-3.91	-3.67	-2.60	-2.12	-1.99	-2.73	-3.25	-3.86	-2.97	-2.40	-3.07
2	-2.27	-2.04	-2.05	-2.28	-1.59	-1.30	-1.05	-1.57	-1.23	-1.72	-1.53	-1.33	-1.66
3	-0.48	-0.48	-0.29	-0.46	-0.54	-0.33	0.07	-0.53	0.51	-0.01	-0.06	-0.29	-0.24
4	0.97	0.68	0.82	0.96	0.74	1.03	1.12	0.70	1.60	1.32	1.23	0.50	0.98
5	1.82	1.34	1.57	1.55	1.65	1.87	1.67	1.37	2.22	2.03	2.09	1.16	1.70
6	2.08	1.63	1.79	1.91	1.72	1.95	1.73	1.52	2.47	2.32	2.61	1.27	1.92
7	2.04	1.71	2.08	2.32	1.72	1.95	1.66	1.70	2.69	2.57	2.83	1.19	2.04
8	2.04	1.75	2.27	2.43	1.79	1.99	1.73	1.74	2.59	2.73	2.57	1.05	2.06
9	2.04	1.63	2.39	2.62	1.99	2.06	1.89	1.59	2.63	2.69	2.61	1.12	2.11
10	1.97	1.75	2.31	2.47	1.91	1.95	1.81	1.52	2.56	2.43	2.50	1.01	2.02
11	1.86	1.86	2.39	2.29	1.69	1.77	1.55	1.37	2.56	2.14	2.07	1.05	1.89
12	1.61	1.79	2.02	1.95	1.25	1.43	1.34	1.40	2.18	1.85	1.88	0.94	1.64
Total amount of variation.	47.47	42.57	48.38	48.23	36.95	38.05	34.07	36.51	49.96	48.07	49.54	27.71	41.52

TABLE 10. Mean diurnal variation of Southerly Inclination for each month of the year 1885.
Uncorrected for disturbances; minutes of arc.

	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Year.
1 a. m.	0.54	1.34	1.51	1.54	0.98	0.94	1.28	0.99	0.94	1.24	0.92	1.14	1.11
2	0.76	1.26	0.97	1.24	0.83	0.71	0.86	0.69	0.79	0.90	1.07	1.07	0.93
3	0.84	0.71	0.90	0.86	0.61	0.63	0.82	0.44	0.42	0.57	0.59	0.77	0.68
4	0.65	0.89	0.63	0.67	0.68	0.41	0.57	0.17	0.35	0.31	0.55	0.70	0.54
5	0.61	0.89	0.44	0.60	0.37	0.11	0.30	-0.21	0.05	0.23	0.62	0.66	0.39
6	0.61	1.00	0.54	0.25	-0.25	-0.53	-0.22	-0.91	-0.46	0.19	0.58	0.65	0.12
7	0.04	1.35	0.76	-0.05	-0.85	-0.98	-1.04	-1.55	-0.92	0.39	0.21	0.13	-0.21
8	-0.76	0.85	0.13	-1.07	-1.13	-1.45	-1.50	-1.90	-1.61	-0.26	0.65	-0.68	-0.84
9	-1.88	-0.96	-1.41	-2.55	-2.00	-1.95	-2.03	-2.17	-2.50	-1.58	-1.69	-1.61	-1.86
10	-2.96	-3.12	-3.04	-4.29	-3.18	-2.63	-2.63	-2.76	-3.42	-2.98	-2.91	-2.61	-3.05
11	-3.12	-4.52	-4.03	-5.37	-3.43	-3.18	-2.81	-2.91	-3.80	-4.19	-3.38	-3.27	-3.67
12	-2.70	-5.17	-4.26	-4.58	-3.14	-2.85	-2.52	-2.56	-3.31	-4.80	-3.30	-3.34	-3.55
1 p. m.	-1.66	-4.24	-3.63	-2.73	-2.42	-2.02	-2.20	-1.63	-2.31	-3.72	-2.62	-2.82	-2.67
2	-0.76	-2.90	1.91	-1.23	-1.29	-0.98	-1.52	-0.87	-0.99	-1.80	-1.81	1.64	-1.48
3	0.17	-1.13	0.20	0.10	-0.22	-0.25	-0.69	0.19	0.06	-0.21	0.95	0.34	-0.33
4	0.95	0.35	0.74	1.19	0.65	0.72	0.39	1.01	0.98	0.97	0.00	0.66	0.71
5	1.24	0.99	0.96	1.76	1.41	1.60	1.24	1.75	1.69	1.71	0.85	1.09	1.35
6	1.06	1.14	1.11	1.93	1.82	2.07	1.64	2.03	1.95	1.93	1.36	1.25	1.60
7	1.06	1.70	1.55	2.08	1.71	1.89	1.64	1.89	2.02	2.01	1.78	1.17	1.70
8	1.03	1.88	1.77	2.23	1.71	1.85	1.68	2.14	2.06	1.86	1.71	1.21	1.76
9	1.06	1.88	1.66	2.11	1.71	1.85	1.79	1.93	2.43	1.75	1.63	1.48	1.77
10	1.13	1.88	1.66	1.94	1.94	1.67	1.68	1.82	2.13	2.01	1.93	1.44	1.77
11	1.13	2.03	1.63	1.79	1.97	1.34	1.69	1.67	2.03	1.82	1.97	1.55	1.71
12	0.99	1.84	1.44	1.61	1.42	1.05	1.50	1.22	1.50	1.68	1.41	1.25	1.41
Total amount of variation.	27.71	44.02	36.88	43.80	35.72	33.66	34.24	35.41	38.72	39.11	34.52	32.53	35.21

TABLE 11. Mean diurnal variation of Total Force for each month of the year 1884.
Uncorrected for disturbances. Unity = 0.00001 c. g. s.

	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Year.
1 a. m.	— 7	— 7	— 11	— 10	— 9	— 8	— 8	— 5	— 9	— 6	— 5	— 6	— 7.6
2	— 8	— 8	— 11	— 9	— 8	— 8	— 8	— 6	— 9	— 6	— 4	— 5	— 7.5
3	— 8	— 6	— 7	— 8	— 7	— 7	— 5	— 5	— 9	— 7	— 2	— 4	— 6.3
4	— 8	— 8	— 7	— 8	— 6	— 7	— 4	— 5	— 9	— 6	— 3	— 3	— 6.2
5	— 8	— 7	— 6	— 7	— 5	— 4	— 2	— 4	— 9	— 5	— 3	0	— 5.0
6	— 4	— 4	— 3	— 6	— 4	— 2	— 1	— 3	— 10	— 1	0	3	— 2.9
7	2	2	1	2	2	5	2	4	0	4	2	6	2.7
8	4	8	10	10	11	11	9	15	12	9	2	11	9.3
9	13	13	18	20	19	19	16	23	19	16	5	14	16.3
10	22	16	22	24	25	25	22	26	20	14	8	18	20.2
11	22	16	22	27	26	25	22	26	20	12	6	14	19.8
12	15	13	22	24	19	21	19	16	17	9	5	11	15.9
1 p. m.	13	10	17	14	11	13	12	9	10	4	2	4	9.9
2	9	6	8	6	3	7	4	2	2	0	1	1	4.1
3	4	2	2	— 3	— 4	— 2	— 5	— 7	— 3	— 3	2	— 4	— 1.8
4	— 1	— 3	— 2	— 8	— 10	— 9	— 10	— 10	— 7	— 3	2	— 7	— 5.7
5	— 4	— 6	— 6	— 6	— 9	— 10	— 9	— 10	— 6	— 4	2	— 7	— 6.3
6	— 6	— 6	— 7	— 6	— 7	— 7	— 7	— 9	— 3	— 5	1	— 7	— 5.8
7	— 7	— 8	— 7	— 9	— 7	— 7	— 5	— 9	— 2	— 4	— 2	— 8	— 6.3
8	— 7	— 7	— 9	— 10	— 8	— 8	— 7	— 10	— 6	— 6	— 1	— 6	— 7.1
9	— 7	— 6	— 10	— 12	— 11	— 10	— 8	— 8	— 7	— 5	— 2	— 8	— 7.8
10	— 7	— 7	— 10	— 11	— 11	— 9	— 8	— 9	— 7	— 5	— 3	— 6	— 7.8
11	— 7	— 7	— 10	— 11	— 10	— 9	— 9	— 10	— 7	— 5	— 2	— 6	— 7.8
12	— 8	— 7	— 10	— 9	— 9	— 8	— 8	— 8	— 7	— 7	— 4	— 6	— 7.6
Total amount of variation.	201	183	238	260	241	241	210	239	210	146	69	165	197.7

TABLE 12. Mean diurnal variation of Total Force for each month of the year 1885.
Uncorrected for disturbances. Unity = 0.00001 c. g. s.

	January.	February.	March.	April	May.	June.	July.	August.	September.	October.	November.	December.	Year.
1 a. m.	— 6	— 8	— 9	— 10	— 8	— 7	— 8	— 7	— 9	— 8	— 5	— 4	— 7.4
2	— 5	— 9	— 7	— 9	— 7	— 7	— 7	— 7	— 8	— 6	— 4	— 5	— 6.8
3	— 5	— 7	— 7	— 7	— 6	— 5	— 6	— 5	— 5	— 5	— 4	— 2	— 5.3
4	— 5	— 7	— 6	— 5	— 6	— 4	— 4	— 3	— 6	— 3	— 3	— 3	— 4.6
5	— 4	— 7	— 3	— 3	— 3	— 1	— 3	— 1	— 3	— 2	0	— 2	— 2.7
6	1	— 5	— 2	0	— 1	0	— 2	0	— 2	1	3	3	— 0.3
7	5	2	4	7	6	4	5	8	6	9	7	6	5.8
8	4	9	10	15	12	9	11	16	16	18	12	5	11.4
9	8	14	15	20	19	14	16	23	21	21	14	7	16.0
10	14	19	16	21	23	18	19	25	23	18	12	9	18.1
11	18	16	20	22	22	20	22	25	23	14	10	9	18.4
12	15	12	21	19	18	17	19	19	20	9	6	6	15.1
1 p. m.	10	8	17	13	10	11	12	10	14	6	1	3	9.6
2	4	5	7	7	1	4	3	2	4	0	0	1	3.2
3	0	1	0	— 1	— 4	— 4	— 6	— 8	— 5	— 2	— 3	0	— 2.7
4	— 5	— 1	— 4	— 6	— 7	— 9	— 9	— 16	— 10	— 4	— 3	— 2	— 6.3
5	— 8	— 3	— 5	— 8	— 8	— 10	— 9	— 13	— 9	— 6	— 4	— 1	— 7.0
6	— 8	— 2	— 6	— 8	— 8	— 8	— 5	— 9	— 8	— 7	— 3	— 3	— 6.3
7	— 8	— 6	— 8	— 10	— 8	— 8	— 5	— 8	— 8	— 8	— 6	— 3	— 7.2
8	— 7	— 6	— 8	— 11	— 8	— 9	— 6	— 10	— 9	— 7	— 5	— 4	— 7.5
9	— 8	— 6	— 8	— 10	— 8	— 9	— 7	— 9	— 11	— 7	— 4	— 6	— 7.8
10	— 7	— 6	— 8	— 11	— 11	— 9	— 6	— 8	— 10	— 8	— 5	— 5	— 7.8
11	— 7	— 7	— 9	— 9	— 12	— 8	— 8	— 9	— 10	— 8	— 5	— 5	— 8.1
12	— 6	— 7	— 9	— 10	— 10	— 8	— 8	— 8	— 9	— 9	— 6	— 5	— 7.9
Total amount of variation.	168	173	209	242	226	203	206	249	249	186	125	99	193.3

TABLE 13. Semi-annual inequality of diurnal variation in 1884.

Sun's Declination.	Declination in minutes of arc		Horizontal Force, unity = 0.00001 C. G. S.		Vertical Force, unity = 0.00001 C. G. S.		Total Force, unity = 0.00001 C. G. S.		Inclination in minutes of arc.	
	North.	South.	North.	South.	North.	South.	North.	South.	North.	South.
1 a. m.	0.12	0.03	—14.4	—14.4	9.6	12.1	— 8.2	— 7.0	1.27	1.44
2	0.28	0.01	—12.6	—12.3	6.8	9.3	— 8.0	— 7.0	0.99	1.16
3	0.38	—0.02	—10.6	—10.5	4.9	7.2	— 6.8	— 5.7	0.78	0.94
4	0.44	—0.11	— 8.7	— 9.3	2.3	5.0	— 6.5	— 5.8	0.50	0.75
5	0.48	—0.34	— 6.1	— 7.1	0.1	3.3	— 5.2	— 4.8	0.24	0.53
6	0.79	—0.94	— 1.9	— 4.0	— 4.8	4.2	— 4.3	— 1.5	—0.27	0.47
7	0.94	—1.81	6.6	1.4	— 6.8	3.4	2.5	2.8	—0.74	0.20
8	—0.47	—2.46	18.3	11.5	—10.1	— 5.6	11.3	7.3	—1.45	—0.92
9	—1.65	—2.20	29.7	24.8	—14.5	—18.4	19.3	13.2	—2.22	—2.35
10	—2.01	—1.50	39.6	36.2	—23.8	—32.9	23.7	16.7	—3.33	—3.81
11	—1.72	—0.35	43.9	40.0	—30.3	—43.6	24.3	15.3	—3.95	—4.67
12	—1.06	0.92	38.2	37.0	—30.1	—43.0	19.3	12.5	—3.71	—4.59
1 p. m.	—0.27	1.73	25.8	27.0	—23.2	—32.9	11.5	8.3	—2.73	—3.43
2	0.51	1.81	12.3	13.7	—14.1	—17.4	4.0	4.2	—1.50	—1.82
3	1.08	1.65	— 2.6	2.0	— 4.0	— 2.2	— 4.0	0.5	—0.38	0.27
4	1.21	1.25	—13.2	— 7.6	7.2	9.1	— 9.0	— 2.3	1.03	0.92
5	0.90	0.80	—17.2	—13.1	14.6	16.4	— 8.3	— 4.2	1.72	1.67
6	0.38	0.41	—16.3	—15.6	17.0	18.5	— 6.5	— 5.0	1.88	1.95
7	0.17	0.54	—17.0	—17.0	18.3	19.3	— 6.5	— 6.0	2.01	2.07
8	—0.02	0.36	—18.7	—17.1	18.0	19.3	— 8.2	— 6.0	2.05	2.07
9	—0.17	0.21	—20.1	—17.2	18.4	19.3	— 9.3	— 6.3	2.13	2.08
10	—0.22	0.05	—19.7	—16.9	17.3	18.4	— 9.2	— 6.3	2.04	2.00
11	—0.12	0.01	—18.9	—16.2	15.4	17.3	— 9.3	— 6.2	1.87	1.90
12	—0.02	—0.03	—16.3	—15.8	12.6	14.6	— 8.2	— 7.0	1.59	1.68
Total amount of variation.	15.41	19.56	428.7	387.7	324.2	392.7	233.4	161.9	40.38	43.69

TABLE 14. Semi-annual inequality of diurnal variation in 1885.

Sun's Declination.	Declination in minutes of arc.		Horizontal Force, unity = 0.00001 C. G. S.		Vertical Force, unity = 0.00001 C. G. S.		Total Force, unity = 0.00001 C. G. S.		Inclination in minutes of arc.	
	North.	South.	North.	South.	North.	South.	North.	South.	North.	South.
1 a. m.	—0.07	—0.06	—13.5	—12.6	8.2	9.4	— 8.2	— 6.7	1.11	1.12
2	0.06	—0.06	—11.5	—11.2	5.8	7.9	— 7.5	— 6.0	0.85	1.01
3	0.15	—0.14	— 8.7	— 8.8	4.1	5.4	— 5.7	— 5.0	0.63	0.73
4	0.20	—0.26	— 6.7	— 7.6	3.0	4.5	— 4.7	— 4.5	0.48	0.62
5	0.29	—0.41	— 3.3	— 6.0	1.2	4.5	— 2.3	— 3.0	0.20	0.58
6	0.55	—0.87	1.4	— 3.1	— 4.4	6.2	— 0.8	0.2	0.35	0.60
7	0.75	—1.69	10.4	2.4	— 6.7	7.7	6.0	5.5	—0.90	0.48
8	—0.22	—2.31	19.7	9.9	— 9.3	2.1	13.2	9.7	—1.44	—0.23
9	—1.07	—2.11	28.9	20.3	—14.8	—10.4	18.8	13.2	—2.20	—1.52
10	—1.35	—1.46	36.9	29.2	—23.6	—24.2	21.5	14.7	—3.15	—2.94
11	—1.26	—0.49	39.9	33.7	—28.0	—33.3	22.3	14.5	—3.58	—3.75
12	—0.87	0.66	34.4	32.0	—25.2	—36.8	18.7	11.5	—3.16	—3.93
1 p. m.	—0.31	1.47	22.7	23.9	—18.4	—29.8	11.7	7.5	—2.22	—3.12
2	0.28	1.75	9.2	12.8	—10.8	—17.9	3.5	2.8	—1.15	—1.80
3	0.95	1.75	— 2.9	1.5	— 4.7	— 5.3	— 4.7	— 0.7	—0.22	—0.44
4	1.23	1.38	—13.1	— 6.6	4.2	5.1	— 9.5	— 3.2	0.82	0.61
5	1.09	1.00	—17.2	—10.5	12.1	10.2	— 9.5	— 4.5	1.58	1.14
6	0.44	0.62	—17.9	—11.7	16.7	11.8	— 7.7	— 4.8	1.91	1.31
7	0.15	0.60	—17.4	—14.3	16.6	13.5	— 7.8	— 6.5	1.87	1.55
8	—0.06	0.35	—18.8	—14.6	16.8	14.1	— 8.8	— 6.2	1.95	1.58
9	—0.23	0.25	—19.2	—14.7	16.8	13.8	— 9.0	— 6.5	1.97	1.58
10	—0.29	0.05	—18.9	—15.4	15.7	14.6	— 9.2	— 6.5	1.86	1.68
11	0.27	0.00	—18.4	—16.2	14.1	14.6	— 9.3	— 6.8	1.75	1.69
12	0.20	—0.11	—15.6	—14.3	10.6	11.7	— 8.8	— 7.0	1.39	1.44
Total amount of variation.	12.34	19.85	406.6	333.3	291.8	314.8	229.2	157.5	36.74	35.45

TABLE 15. Mean diurnal variation of Easterly Declination for each month in the three years April 1883 till March 1886; in minutes of arc.

	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Year.
1 a. m.	0.05	-0.06	-0.07	0.00	0.10	-0.03	-0.03	0.06	0.09	0.07	-0.17	-0.03	0.00
2	-0.06	-0.09	-0.04	0.18	0.07	0.15	0.11	0.24	0.22	0.12	-0.17	-0.03	0.06
3	-0.15	-0.14	-0.09	0.20	0.16	0.27	0.30	0.35	0.30	0.20	-0.22	0.08	0.10
4	-0.35	-0.21	-0.18	0.12	0.23	0.37	0.42	0.46	0.33	0.20	-0.28	-0.22	0.08
5	-0.58	-0.31	-0.30	0.02	0.20	0.40	0.51	0.65	0.40	0.09	-0.54	-0.46	0.01
6	-1.24	-0.88	-0.56	0.08	0.52	0.70	0.87	1.11	0.74	-0.22	-1.33	-1.09	-0.10
7	-2.10	-2.03	-1.31	-0.39	0.82	1.37	1.32	1.35	0.50	-1.17	-2.02	-1.90	-0.46
8	-2.36	-2.84	-2.37	-1.52	-0.22	0.50	0.34	-0.09	-0.99	-2.36	-2.46	-2.29	-1.38
9	-1.89	-2.43	-2.25	-2.08	-1.15	-0.46	-0.80	-1.53	-1.92	-2.66	-2.10	-1.99	-1.76
10	-1.15	-1.49	-1.46	-1.64	-1.42	-1.02	-1.38	-2.23	-2.07	-2.24	-1.27	-1.41	-1.56
11	-0.39	-0.16	-0.27	-0.64	-1.39	-1.20	-1.35	-2.27	-1.56	-1.94	0.03	-0.55	-0.90
12	0.63	1.05	0.78	0.16	-0.89	-0.89	-1.02	-1.76	-0.82	0.50	1.32	0.56	-0.03
1 p. m.	1.33	1.75	1.41	0.67	-0.16	-0.43	-0.44	-0.78	-0.11	1.62	2.04	1.51	0.70
2	1.52	1.84	1.61	0.93	0.50	0.18	0.37	0.19	0.43	1.91	2.15	1.81	1.12
3	1.50	1.73	1.58	1.19	1.07	0.65	0.98	1.04	1.08	1.74	1.96	1.80	1.37
4	1.34	1.31	1.19	1.19	1.21	0.88	1.06	1.44	1.29	1.24	1.49	1.49	1.27
5	1.01	0.95	0.95	0.95	0.89	0.63	0.74	1.26	1.09	0.84	0.98	0.97	0.94
6	0.62	0.62	0.66	0.63	0.36	0.00	0.03	0.61	0.55	0.54	0.41	0.46	0.16
7	0.70	0.59	0.53	0.40	0.12	-0.16	-0.16	0.25	0.34	0.49	0.49	0.58	0.35
8	0.49	0.38	0.31	0.07	-0.12	-0.32	-0.32	0.07	0.19	0.26	0.23	0.46	0.15
9	0.45	0.28	0.11	-0.10	-0.27	-0.48	-0.43	-0.15	-0.01	0.08	0.02	0.29	-0.01
10	0.26	0.16	-0.04	-0.16	-0.25	-0.51	-0.48	-0.20	-0.14	-0.06	-0.20	0.08	-0.13
11	0.15	0.06	-0.07	-0.14	-0.21	-0.38	-0.34	-0.11	-0.08	-0.07	-0.18	0.04	-0.11
12	0.08	-0.02	-0.19	-0.07	-0.10	-0.26	-0.21	-0.07	0.02	-0.06	-0.26	-0.04	-0.09
Total amount of variation.	20.40	21.38	18.33	13.53	12.43	12.24	14.01	18.27	15.27	19.78	22.32	20.14	13.14

TABLE 16. Mean diurnal variation of Horizontal Force for each month in the three years April 1883 till March 1886; unity = 0.00001 c. g s.

	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Year.
1 a. m.	-11.8	-13.0	-15.8	-16.8	-12.8	-12.4	-13.4	-13.8	-14.2	-15.9	-12.1	-10.4	-13.65
2	-10.2	-12.3	-12.5	-13.8	-11.3	-10.7	-11.3	-12.4	-12.5	-12.7	-9.8	-9.9	-11.72
3	-9.8	-9.7	-10.9	-12.1	-8.6	-7.8	-9.1	-10.1	-10.3	-11.1	-7.9	-7.9	-9.73
4	-8.5	-10.2	-8.5	-10.3	-7.6	-5.9	-6.9	-7.2	-7.9	-8.6	-7.0	-6.4	-8.02
5	-7.0	-8.8	-6.8	-7.5	-4.7	-3.1	-3.7	-3.7	-5.6	-6.7	-5.2	-4.8	-5.74
6	-4.0	-6.2	-4.6	-3.9	-0.8	2.2	1.1	0.9	-1.7	-2.3	-2.5	-2.6	-2.15
7	2.7	-0.9	-0.5	4.1	7.8	9.8	9.6	9.9	8.5	3.4	4.1	3.4	5.05
8	8.6	7.7	11.2	17.4	17.0	18.1	18.6	19.7	22.5	15.6	13.7	8.9	15.35
9	19.4	19.8	24.2	30.7	27.2	26.7	26.8	28.8	33.7	28.9	25.0	19.4	25.85
10	32.2	31.1	35.6	42.7	37.2	34.7	32.8	36.5	41.8	37.1	33.7	29.0	35.34
11	38.2	31.4	42.6	49.8	39.5	37.5	35.8	39.1	45.1	41.1	34.5	32.3	39.23
12	34.0	34.3	42.5	44.5	33.3	33.0	32.0	33.1	40.4	39.6	29.9	29.0	35.40
1 p. m.	24.8	26.1	32.7	30.0	22.4	22.3	22.8	21.9	26.9	29.4	21.4	21.2	26.00
2	14.0	15.9	15.8	15.5	9.8	10.7	10.5	9.7	9.7	12.9	12.9	10.9	12.26
3	3.5	3.9	1.7	0.4	-2.1	-1.3	-3.1	-2.4	-4.9	-0.1	3.1	-0.2	-0.21
4	-5.9	-5.9	-6.0	-10.3	-11.2	-12.8	-12.1	-13.3	-14.2	-8.9	5.1	-8.0	-9.56
5	-13.7	-9.9	-12.1	-14.5	-16.1	-18.2	-16.0	-17.7	-18.1	-14.2	-10.2	-11.2	-14.43
6	-14.5	-10.2	-15.2	-16.7	-16.6	-18.0	-15.0	-17.4	-18.2	-16.7	-15.4	-13.3	-15.70
7	-15.6	-13.1	-17.0	-20.5	-16.9	-17.5	-15.3	-17.0	-19.5	-18.6	-18.4	-12.6	-16.95
8	-15.8	-14.5	-20.2	-23.1	-16.8	-19.2	-16.4	-18.7	-20.2	-19.3	-17.6	-12.6	-17.98
9	-16.0	-14.3	-20.1	-23.8	-17.4	-19.1	-18.1	-17.1	-22.8	-18.5	-17.8	14.6	-18.42
10	-15.9	-13.8	-19.9	-21.7	-19.2	-18.0	-16.7	-16.8	-21.5	-19.3	-18.5	-13.2	-17.98
11	-14.5	-15.1	-19.2	-21.2	-18.0	-16.7	-16.7	-17.5	-19.6	-17.8	-16.6	-13.7	-17.33
12	-13.6	-14.5	-17.5	-19.3	-14.3	-14.2	-15.8	-15.2	-17.1	-17.3	-14.4	-11.8	-15.52
Total amount of variation.	354.2	345.6	413.1	470.6	388.6	389.9	379.6	399.9	456.9	416.0	356.8	307.3	389.57

TABLE 17. Mean diurnal variation of Vertical Force for each month in the three years April 1883 till March 1886; unity = 0.00001 c. g. s.

	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Year.
1 a. m.	9.1	11.8	11.1	13.4	10.0	6.9	8.9	11.4	8.6	12.7	9.5	9.6	10.23
2	7.0	10.1	8.2	10.2	8.0	4.6	6.1	8.5	6.0	8.9	7.9	8.2	7.78
3	6.4	7.4	6.9	8.8	6.0	3.0	4.0	6.2	3.2	6.2	4.6	6.3	5.73
4	4.8	7.4	5.1	7.7	5.1	1.1	2.0	3.6	— 0.1	2.9	2.8	4.6	3.87
5	4.1	6.8	4.4	6.6	3.6	— 1.9	— 0.4	0.4	— 2.8	1.1	2.5	3.6	2.28
6	6.7	8.0	5.3	4.1	— 1.6	— 8.0	— 6.3	— 5.8	— 8.0	1.0	3.8	6.1	0.38
7	5.2	4.0	8.1	3.9	— 3.9	— 12.2	— 10.9	— 8.0	— 7.7	4.9	0.9	4.3	— 0.98
8	— 3.8	2.5	0.8	— 5.1	— 7.3	— 14.1	— 14.6	— 7.9	— 10.1	— 1.7	— 9.6	— 3.8	— 6.25
9	— 14.4	— 12.4	— 13.5	— 21.4	— 14.6	— 16.1	— 16.2	— 8.6	— 18.8	— 15.3	— 21.6	— 14.8	— 15.60
10	— 26.1	— 27.9	— 30.5	— 36.8	— 23.4	— 20.2	— 20.8	— 16.5	— 30.6	— 32.1	— 35.2	— 24.6	— 27.05
11	— 32.8	— 38.5	— 39.7	— 46.8	— 26.9	— 22.8	— 23.0	— 20.0	— 39.6	— 45.5	— 42.7	— 32.9	— 34.24
12	— 33.4	— 39.6	— 40.5	— 42.5	— 26.3	— 21.7	— 21.1	— 21.2	— 36.4	— 49.9	— 39.9	— 34.8	— 33.91
1 p. m.	— 24.9	— 31.3	— 32.3	— 29.8	— 22.3	— 16.8	— 17.0	— 22.1	— 25.8	— 39.5	— 30.1	— 28.7	— 26.71
2	— 13.7	— 20.1	— 17.8	— 17.3	— 14.8	— 9.5	— 11.9	— 16.2	— 13.1	— 20.2	— 18.1	— 16.2	— 15.73
3	— 3.2	— 6.6	— 3.2	— 4.7	— 6.3	— 3.6	— 4.8	— 9.0	— 1.4	— 2.3	— 3.9	— 3.6	— 4.38
4	4.8	4.1	6.1	6.4	3.5	6.1	4.7	2.2	9.0	11.3	8.6	6.2	6.10
5	12.9	9.4	11.1	15.1	12.0	14.7	12.4	10.4	17.2	18.1	17.4	14.5	13.73
6	14.0	12.2	13.9	17.6	15.2	19.0	16.6	14.2	21.4	20.1	21.6	14.9	16.64
7	13.5	14.2	16.4	19.7	15.4	18.0	16.9	15.1	23.4	21.8	23.5	14.5	17.59
8	13.8	16.2	17.3	19.9	15.4	17.8	17.1	15.6	22.4	22.2	22.8	14.3	17.81
9	13.8	16.1	17.8	20.1	15.1	17.3	17.2	14.6	23.9	21.3	21.9	15.5	17.79
10	13.5	15.4	16.6	18.8	15.2	15.5	15.6	13.1	22.3	20.8	21.6	14.8	16.84
11	12.7	16.1	16.1	19.2	13.9	13.0	13.8	11.5	20.4	18.5	18.9	14.0	15.57
12	1.07	14.9	13.1	16.4	10.0	10.0	11.7	9.1	16.1	14.6	13.9	11.5	12.55
Total amount of variation.	305.3	353.0	355.8	412.3	295.8	293.9	294.0	271.2	388.3	412.9	403.3	322.3	329.74

TABLE 18. Mean diurnal variation of Southerly Inclination for each month in the three years April 1883 till March 1886; in minutes of arc.

	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Year.
1 a. m.	1.00	1.32	1.40	1.47	1.14	0.98	1.17	1.39	1.17	1.55	1.16	1.08	1.24
2	0.88	1.17	1.08	1.09	0.93	0.73	0.89	1.12	0.91	1.14	0.94	0.95	0.99
3	0.87	0.91	0.93	0.93	0.69	0.51	0.65	0.89	0.62	0.87	0.63	0.75	0.77
4	0.66	0.92	0.69	0.77	0.57	0.28	0.41	0.58	0.29	0.55	0.48	0.61	0.57
5	0.56	0.79	0.58	0.63	0.36	0.06	0.11	0.20	— 0.02	0.35	0.40	0.43	0.37
6	0.66	0.80	0.56	0.27	— 0.15	— 0.57	— 0.48	— 0.41	— 0.53	0.16	0.37	0.51	0.10
7	0.26	0.74	0.58	— 0.04	— 0.71	— 1.15	— 1.19	— 0.92	— 0.90	0.24	— 0.13	0.17	— 0.26
8	— 0.60	— 0.06	— 0.38	— 0.83	— 1.28	— 1.74	— 1.78	— 1.35	— 1.59	— 0.74	— 1.28	— 0.60	— 1.02
9	— 1.79	— 1.60	— 1.92	— 2.62	— 2.08	— 2.21	— 2.23	— 1.80	— 2.65	— 2.23	— 2.57	— 1.78	— 2.13
10	— 3.10	— 3.21	— 3.62	— 4.22	— 3.13	— 2.85	— 2.80	— 2.70	— 3.87	— 3.78	— 3.92	— 2.87	— 3.31
11	— 3.80	— 4.15	— 4.53	— 5.17	— 3.45	— 3.13	— 3.09	— 3.26	— 4.62	— 4.90	— 4.46	— 3.59	— 4.01
12	— 3.75	— 4.22	— 4.62	— 4.68	— 3.18	— 2.87	— 2.77	— 3.14	— 4.19	— 5.18	— 4.12	— 3.56	— 3.86
1 p. m.	— 2.78	— 3.32	— 3.63	— 3.17	— 2.45	— 2.10	— 2.10	— 2.48	— 2.92	— 4.00	— 3.02	— 2.84	— 2.90
2	— 1.55	— 2.10	— 1.92	— 1.71	— 1.44	— 1.11	— 1.26	— 1.57	— 1.27	— 1.95	— 1.79	— 1.56	— 1.60
3	— 0.37	— 0.68	— 0.29	— 0.20	— 0.35	— 0.20	— 0.24	— 0.62	0.11	— 0.17	— 0.40	— 0.23	— 0.30
4	0.60	0.48	0.67	1.02	0.73	0.92	0.82	0.65	1.24	1.17	0.82	0.79	0.83
5	1.47	1.03	1.27	1.68	1.56	1.76	1.55	1.51	2.02	1.86	1.66	1.37	1.56
6	1.56	1.23	1.61	1.94	1.79	2.04	1.76	1.77	2.32	2.11	2.19	1.50	1.82
7	1.60	1.50	1.87	2.21	1.82	1.99	1.83	1.81	2.51	2.29	2.44	1.47	1.94
8	1.60	1.70	2.06	2.32	1.81	2.02	1.86	1.92	2.46	2.35	2.35	1.48	2.00
9	1.62	1.69	2.09	2.39	1.83	1.96	1.96	1.77	2.65	2.26	2.32	1.64	2.02
10	1.59	1.65	1.96	2.18	1.87	1.81	1.81	1.69	2.45	2.27	2.30	1.53	1.92
11	1.48	1.74	1.91	2.03	1.75	1.59	1.64	1.58	2.27	2.03	2.03	1.49	1.79
12	1.29	1.63	1.62	1.77	1.32	1.27	1.49	1.35	1.85	1.74	1.57	1.23	1.51
Total amount of variation.	35.44	38.64	41.79	45.34	36.49	35.85	35.89	36.48	45.43	45.89	43.35	34.03	38.82

TABLE 19. Mean diurnal variation of Total Force for each month in the three years April 1883 till March 1886; unity = 0.00001 c. g. s.

	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Year.
1 a. m.	— 6.3	— 6.3	— 8.7	— 9.3	— 7.3	— 7.3	— 7.7	— 7.0	— 8.7	— 8.0	— 5.7	— 6.0	— 7.36
2	— 6.0	— 6.7	— 7.7	— 8.0	— 6.7	— 7.0	— 7.3	— 7.3	— 8.7	— 7.0	— 5.0	— 6.3	— 6.97
3	— 5.7	— 5.3	— 6.0	— 7.3	— 5.7	— 5.3	— 6.0	— 6.0	— 7.3	— 7.3	— 4.3	— 5.3	— 5.97
4	— 5.3	— 6.0	— 5.0	— 6.3	— 5.0	— 5.0	— 5.0	— 4.7	— 7.3	— 6.3	— 4.7	— 5.0	— 5.47
5	— 4.3	— 5.3	— 3.7	— 4.3	— 3.3	— 2.7	— 3.7	— 3.0	— 6.3	— 5.3	— 3.3	— 4.0	— 4.11
6	— 0.7	— 2.3	— 1.3	— 2.7	— 2.0	— 1.0	— 2.3	— 2.0	— 5.7	— 2.0	— 0.3	— 0.3	— 1.89
7	4.7	3.3	3.0	4.3	4.0	4.0	3.3	4.7	3.7	5.0	4.0	3.7	3.97
8	5.7	9.0	10.3	13.7	10.7	9.7	9.7	13.7	15.3	12.7	7.7	7.0	10.42
9	10.3	13.0	15.3	18.3	17.0	16.3	16.0	21.3	21.0	18.0	12.0	11.0	15.81
10	16.7	15.7	17.3	21.0	22.0	21.3	19.3	24.3	22.7	17.7	13.0	15.0	18.83
11	18.7	14.3	19.0	23.0	22.0	22.3	21.0	24.0	21.3	15.0	10.7	14.0	18.78
12	14.0	11.3	18.7	20.0	17.3	19.0	18.3	17.7	18.3	11.7	7.7	10.7	15.39
1 p. m.	10.0	8.0	14.0	13.3	10.0	12.0	12.0	9.7	11.3	7.3	4.3	6.3	9.86
2	5.7	4.3	5.3	6.7	1.7	5.0	3.7	2.0	2.3	1.7	3.3	3.0	3.72
3	1.3	0.3	0.0	— 1.0	— 4.7	— 2.7	— 5.0	— 6.0	— 4.3	— 1.3	0.7	— 0.7	— 1.94
4	— 2.7	— 3.7	— 2.3	— 5.3	— 8.7	— 8.3	— 8.7	— 10.7	— 8.3	— 3.0	0.0	— 3.3	— 5.42
5	— 6.0	— 5.3	— 5.7	— 6.0	— 8.3	— 9.3	— 8.3	— 10.7	— 7.3	— 4.3	— 1.0	— 3.3	— 6.31
6	— 6.7	— 3.7	— 6.7	— 6.3	— 7.3	— 7.0	— 5.7	— 8.3	— 5.7	— 6.0	— 3.0	— 4.7	— 5.92
7	— 7.3	— 5.7	— 7.3	— 9.0	— 8.0	— 7.3	— 5.7	— 7.7	— 6.0	— 6.3	— 5.3	— 5.0	— 6.72
8	— 7.3	— 6.0	— 9.0	— 11.0	— 7.7	— 8.3	— 6.7	— 9.0	— 7.7	— 7.0	— 4.7	— 4.7	— 7.42
9	— 8.0	— 5.7	— 9.3	— 11.7	— 8.3	— 9.0	— 8.0	— 8.3	— 9.0	— 6.7	— 5.3	— 6.3	— 7.97
10	— 7.7	— 5.7	— 9.7	— 10.7	— 9.7	— 8.7	— 7.0	— 8.3	8.7	— 7.3	— 6.0	— 5.3	— 7.89
11	— 7.0	— 6.0	— 9.3	— 10.7	— 9.3	— 8.7	— 8.3	— 9.3	— 8.0	— 7.3	— 5.7	— 5.7	— 7.94
12	— 7.0	— 6.3	— 9.0	— 10.3	— 8.3	— 7.7	8.3	— 8.7	— 7.7	— 8.7	— 6.0	— 5.7	— 7.81
Total amount of variation.	175.1	159.2	203.6	240.2	215.0	214.9	207.0	234.4	232.6	182.9	123.7	142.3	193.89

TABLE 20. Showing, for every day, the ratio R, a relative measure of the diurnal variation as deduced from Table C. — Declination — 1884.

	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
1	1.1	1.1	1.7	1.5	1.7	1.3	0.6	0.9	0.7	1.1	0.6	1.0*
2	1.1	1.2	1.9	0.9	1.5	1.4	0.8	1.2	1.1	1.1*	1.6*	1.3*
3	1.1	0.8	1.2	0.7	1.9	1.0	1.2*	0.7	1.1	0.9*	1.4*	1.1
4	1.0	0.8	1.0	0.9	0.9	1.1	1.0*	1.0	0.9	1.0	1.6*	1.3
5	1.2	0.5	1.0	0.9	1.1	1.2	0.6	1.0	0.6	1.1	1.1	1.2
6	1.6	0.5	1.3	1.1	0.6	1.2	0.7	1.0	0.4	1.2	1.1	0.7
7	0.9	0.7	1.3	1.0	1.4	1.1	0.8	1.3	0.5	1.5	0.9	0.9
8	0.9	0.8	1.1	1.0	1.5	0.8	0.8	1.6	1.0	1.2	0.9	1.1
9	0.9	0.6	1.2	1.1	1.5	0.8	0.8	1.0	1.3	0.6	1.2	0.9
10	0.7	0.9	0.8	0.9	1.1	1.0	1.0	1.1*	1.3	1.1	1.5	0.6
11	1.1	1.1	1.0	1.1	1.6	0.7	1.0	0.7	1.0	1.4	1.7	0.9
12	0.7	1.3	1.1	1.0	1.2	0.6	1.0	1.2	0.7	1.4	1.4	0.9
13	0.8	1.2	1.5	0.6	0.9	0.9	1.0*	1.2	0.5	0.9	1.0	0.6
14	0.8	1.2	1.5	0.9	1.0	0.9	0.8*	0.8	0.7*	1.5	1.1	1.2
15	1.8	1.2	1.0	0.5	0.8	0.9	0.8	—	1.0	0.8	1.3	1.4*
16	1.7	1.0	1.3	0.7	0.9	0.4	1.1	—	0.4	1.0	1.2	1.0*
17	1.5	1.1	1.2	0.8	1.1	0.8	0.9	1.0	0.7	1.1	1.7	1.0
18	1.2	1.1	1.0	0.9	0.9	0.9	1.2	0.7	0.9*	1.4	1.6	1.3
19	1.0	0.8	0.7	0.9	0.7	1.1	0.8	0.8	1.4*	1.1	1.3	1.3
20	0.8	0.8	0.7	1.6	0.7	1.0	0.9*	0.9	1.0	0.7	1.0	1.3*
21	0.6	1.1	0.6	0.9	0.9	0.8	0.6	1.1	1.0	0.8	0.9	1.6*
22	0.7	0.8	0.9	1.3	1.3	0.8	1.0	1.4	1.0	0.7	1.1	0.8
23	0.7	0.6	1.4	0.8	1.0	1.5	0.8	1.1	1.0	1.2	0.8	1.0*
24	0.8	1.0	1.1	0.9	0.8	0.8	1.1	1.2	0.9	1.0	0.8	1.1
25	1.0	1.0	0.6	1.2*	1.0	0.9	1.2	1.2	1.5	1.2	0.7	1.1
26	1.2	0.8	0.8	0.7	1.2	0.7	1.4	1.0	—	1.6	0.4	0.7
27	0.8	0.8	0.9	1.0	0.6	0.6	0.6	1.4	—	0.8	0.4	0.7
28	1.1	1.3	1.5	0.7	0.9	0.6	1.1	1.0	—	1.1	0.8	0.9
29	1.3	1.5*	1.0*	0.8	0.6	1.0	0.8	1.5	1.0	1.0	0.9	0.5
30	1.5		1.1	0.7	1.6	0.6	1.3	1.5	1.1	0.8	0.9	0.8*
31	1.2		1.1		0.7		0.9*	1.2		1.0		0.9*
Mean ratio.	1.1	1.0	1.1	0.9	1.1	0.9	0.9	1.1	0.9	1.1	1.1	1.0
Mean amount of differences.	245		214		170		201		200		224	

TABLE 21. Showing, for every day, the ratio R, a relative measure of the diurnal variation, as deduced from Table C. — Declination — 1885.

	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
1	0.5*	1.2*	1.4	1.5	0.8	0.9	1.0	1.0	1.2	0.9	0.8	0.5
2	1.4*	1.4	1.0	1.5	1.9	0.7	1.0	1.0	1.2	1.2	0.6	0.8
3	0.9*	1.3	1.1	1.2	1.6	0.9	0.6	0.9	1.2	1.4	1.0	0.7
4	1.3	1.5	0.8	1.0	1.2	0.7	0.8	0.8	1.0	0.9	1.0	0.6
5	0.7	1.3*	0.8	1.0	1.1	1.0	0.7	1.0	0.9	1.3	1.2	0.5
6	1.0	0.9*	1.1	0.7	0.8	0.7	0.7	0.8	1.0	1.1	0.8	1.3
7	0.7	1.0*	1.5	0.8	1.1	0.7	0.9	1.1	0.7	1.3	0.7*	1.2*
8	0.9	1.0*	1.2	1.0	0.7	0.8	0.8	1.2	0.8	0.8*	1.2*	1.0*
9	0.8*	1.3*	1.2	1.2	0.7	1.1	1.0	1.1	0.7	1.3	1.0	1.1
10	0.8	0.7	0.9	1.2	0.8	1.1	0.9	0.7	0.8	1.1	1.3	1.0
11	0.8	1.4	1.0	0.7	1.3	1.0	1.0	1.4	0.7	1.2	1.7	1.1
12	0.6	1.8	1.4	1.0	1.4	1.3	1.2	0.9	0.6	1.2	1.2	0.8
13	0.7	1.0	1.3	1.1	0.6*	0.9	0.9	1.0	1.2	1.3	1.1	1.0
14	0.8	1.3	1.0	1.2	1.7*	0.8	0.9	1.5	1.0	1.1	1.2	1.2
15	0.6	1.5	1.8*	1.2	1.0	0.9	0.9	1.4	1.1	1.1	1.1	0.9
16	0.8	1.1	1.0*	1.0	1.8	0.6	1.1	1.1	0.9	1.4	0.7	0.7
17	0.9	1.4	1.2*	1.0	1.3	0.9	0.8	0.9	1.1	0.7	0.7	1.0
18	0.8	1.3	1.1	0.9	0.8	0.8	0.8*	0.7	0.4	1.0	0.5	0.8
19	0.7	1.2	0.8	1.0	0.9	0.9	0.8	1.0	0.6	1.3	1.3	1.0
20	1.1	1.3	1.4	1.0	1.3	1.4	0.8	0.9	0.4	1.1	1.0	0.7
21	0.8	1.1	1.0	1.1	0.8	0.8	0.8	1.2	0.8	1.5	1.1	1.1
22	1.2	1.1	1.1*	0.6	1.1	1.2	1.1	0.8	0.5	1.7	1.0	1.0
23	1.1	1.1	1.0	0.8	0.7	1.0*	1.1*	1.1	0.8*	1.1	1.3	1.1
24	0.6	0.8	0.8	0.5	1.0	0.7	0.9	0.9	0.6	1.2	1.2	1.0
25	0.5	0.8	0.8	0.6	1.2*	1.9*	0.9	1.5	0.7	1.6	1.4	1.0
26	0.5	0.7	0.8	0.7*	1.4*	1.4	0.9	1.5	0.8	1.1	1.6	1.3
27	0.6	1.2	0.6	0.8	1.2*	1.0	0.9	1.2	1.2	0.9	0.8	1.2
28	0.7	0.9	1.0	0.7	1.4	1.0	1.6	1.7	0.6	1.0	1.2	1.1
29	1.1		1.1	0.9	1.0	0.8	1.0	1.7	0.8	1.0	0.9	0.9
30	1.3		0.9	0.9	0.7	1.0	0.7	1.3	0.6	0.7	0.6	1.2
31	0.8*		1.2		0.8		0.9	1.6		0.9		1.0
Mean ratio.	0.8	1.2	1.1	1.0	1.1	1.0	0.9	1.1	0.8	1.1	1.0	1.0
Mean amount of differences.	255		182		138		179		191		235	

TABLE 22. Showing, for every day, the ratio R, a relative measure of the diurnal variation, as deduced from Table C. — Horizontal Force — 1884.

	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
1	1.3	1.6	—	1.0	1.9	1.6	0.8	0.9	1.1	1.0	1.2	1.0*
2	1.6	1.5	—	1.0	0.7	1.0	0.8	0.7	0.9	1.6*	1.4*	1.7*
3	1.4	0.9	0.8	1.2	1.1	1.1	1.5*	1.0	1.2	0.5*	2.2*	0.7
4	1.2	0.6	0.6	1.1	1.0	1.0	0.8*	1.0	1.0	1.0	1.3*	0.7
5	1.1	0.8	1.1	1.2	1.0	1.1	0.9	0.7	0.8	1.0	1.2	0.7
6	0.6	0.8	1.2	1.2	0.9	0.8	1.0	0.9	1.1	0.9	1.1	0.8
7	1.2	0.7	0.7	1.1	1.1	1.0	0.9	1.3	1.1	1.0	1.2	1.1
8	1.2	0.8	1.0	1.0	0.5	1.0	1.3	1.2	1.1	0.8	1.3	1.3
9	1.1	0.8	1.2	1.2	1.0	0.8	1.0	1.6	1.1	0.6	1.1	1.0
10	1.0	0.7	1.0	1.0	1.6	1.2	1.0	0.6*	1.6	1.2	0.6	0.8
11	0.9	1.1	1.0	1.4	0.9	1.2	1.3	0.9	1.1	1.0	1.5	1.1
12	1.5	1.0	1.1	0.9	1.0	1.0	1.2	0.8	1.0	0.9	0.9	0.7
13	0.8	0.8	1.1	1.3	1.1	0.7	1.0*	1.1	1.1	1.0	0.6	1.1
14	1.1	0.8	0.9	1.0	1.0	0.8	1.0*	1.0	1.0*	1.2	1.1	1.4
15	1.0	0.9	1.3	0.9	1.4	0.9	0.8	—	0.9	1.1	1.0	1.6*
16	1.3	0.8	1.2	1.1	0.8	0.8	1.1	—	0.9	1.0	0.8	0.9*
17	1.0	1.1	1.3	1.1	0.8	0.9	0.9	0.8	0.9	1.3	1.3	0.7
18	1.2	0.7	0.9	0.8	0.8	0.6	0.8	0.7	1.1*	0.7	1.5	1.3
19	0.7	1.1	0.9	1.1	0.9	0.9	1.0	1.0	0.9*	1.0	1.1	1.1
20	0.6	1.0	0.8	0.8	0.8	0.7	0.8*	0.6	1.0	0.7	0.9	1.9*
21	0.9	1.2	0.8	0.6	0.9	0.6	0.8	1.1	1.3	1.1	1.0	0.7*
22	1.0	0.7	0.9	0.9	1.1	1.1	0.6	1.2	1.0	0.7	0.9	0.9
23	0.4	1.0	1.0	0.9	1.0	2.6	0.8	1.3	1.0	0.8	1.0	1.2*
24	1.1	1.0	1.1	0.9	0.9	1.4	0.8	0.9	1.1	0.8	0.6	0.7
25	0.9	1.0	1.0	1.0*	0.7	0.9	1.2	1.2	1.2	1.1	1.2	1.1
26	1.5	0.8	0.9	0.8	0.9	0.9	1.0	0.9	1.4	1.1	0.9	0.9
27	0.8	0.8	1.2	0.6	0.8	1.0	1.2	1.2	1.4	0.7	0.8	0.6
28	1.2	1.2	0.8	0.9	0.7	0.7	1.1	1.0	1.2	0.8	1.7	0.9
29	0.8		0.8*	0.9	1.1	1.4	1.1	1.0	0.9	0.8	0.9	0.8
30	1.3		1.1	1.1	0.8	0.7	1.3	0.9	0.9	0.6	0.9	
31	1.0		0.9		1.2		0.8*	1.3		0.7		
Mean ratio.	1.1	0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.1	0.9	1.1	1.0
Mean amount of differences.	436		521		436		421		449		337	

TABLE 23. Showing, for every day, the ratio R, a relative measure of the diurnal variation, as deduced from Table C. — Horizontal Force — 1885.

	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
1	—	—	1.2	1.3	0.8	1.0	1.1	1.5	1.0	0.9	1.1	0.7
2	—	0.8	0.8	0.9	1.2	0.9	0.8	0.9	1.2	1.4	1.0	0.6
3	—	1.2	1.0	0.9	1.0	1.0	0.8	1.1	1.4	0.9	0.9	0.5
4	1.3	0.8	0.7	1.1	1.3	1.0	1.1	0.9	1.1	0.9	0.9	0.8
5	0.6	—	0.7	0.9	1.0	0.7	1.1	0.5	0.8	0.7	1.1	0.8
6	1.0	—	0.9	0.8	1.0	0.9	0.8	0.8	0.9	0.9	0.9	1.4
7	0.7	—	0.7	1.1	1.0	0.7	0.9	1.2	0.9	1.1	1.3*	0.8*
8	0.9	—	0.9	1.4	1.2	0.8	0.9	0.9	1.2	1.3*	1.1*	0.8*
9	0.6	0.9	0.8	1.4	0.9	0.9	1.0	0.9	1.1	1.0	0.9	1.0
10	0.9	2.0	0.8	0.9	1.4	1.0	1.0	1.3	1.1	0.9	1.5	0.7
11	0.8	0.7	0.7	0.9	2.5	0.9	0.9	1.1	1.0	1.0	2.6	1.0
12	0.7	0.9	1.3	1.0	1.2	0.8	0.9	1.2	0.8	0.9	1.2	0.9
13	0.8	1.2	1.5	1.5	0.7	0.9	0.8	0.9	0.9	1.1	1.1	1.5
14	0.4	1.1	0.8	1.1	0.7	0.9	1.0	1.1	0.9	0.9	0.8	1.4
15	0.8	1.0	2.0*	0.9	0.8	0.9	1.0	1.1	1.6	1.2	1.2	0.7
16	0.8	1.0	0.9	1.2	1.2	0.8	1.0	1.4	1.6	1.0	0.5	0.7
17	1.1	1.4	0.4	1.1	1.1	0.9	0.9	0.8	1.2	0.8	0.9	0.9
18	0.7	1.3	1.0	1.3	0.7	0.8	1.0*	1.0	1.2	0.8	1.5	1.2
19	0.9	0.9	0.9	1.2	0.9	0.7	1.3	0.9	0.9	0.7	0.6	0.7
20	0.9	1.1	0.9	1.0	0.9	1.6	0.7	1.0	1.0	0.8	0.8	1.1
21	0.8	1.3	0.9	1.1	0.5	0.6	1.0	1.2	0.8	0.8	0.7	1.2
22	1.2	0.8	0.8*	0.9	0.7	0.9*	1.3	1.0	1.0	1.5	0.8	0.8
23	1.2	0.8	1.1	0.8	0.9	0.8*	0.7*	1.0	1.2*	1.1	0.9	1.2
24	0.6	1.0	0.9	1.1	1.5	0.8	0.7	1.0	1.0	0.8	0.9	0.9
25	1.0	0.9	1.0	0.8	1.4	2.4	1.1	1.2	1.1	1.2	1.3	1.1
26	1.1	1.0	1.0	0.7	1.9*	1.0*	0.9	1.4	1.1	0.6	1.0	1.2
27	0.9	2.0	0.8	1.2*	1.3*	1.0	0.6	0.7	1.5	0.8	0.8	1.2
28	0.9	1.1	1.1	1.8	0.8*	0.7	1.3	1.9	1.0	0.8	1.0	1.5
29	0.8	—	1.0	0.7	1.1	0.8	0.8	1.0*	0.7	0.9	0.8	0.8
30	2.0	—	0.9	0.8	1.1	0.6	0.7	0.7*	1.3	1.0	1.2	0.8
31	—	—	1.1	—	1.2	—	1.1	1.0	—	0.9	—	0.9
Mean ratio.	0.9	1.1	1.0	1.0	1.1	0.9	0.9	1.1	1.1	1.0	1.0	1.0
Mean amount of differences	382		456		420		417		427		306	

TABLE 24. Showing, for the every day, the ratio R, a relative measure of the diurnal variation, as deduced from Table C. — Vertical Force — 1884.

	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
1	1.4	1.0	0.7*	1.1	2.0	1.3	1.0	1.0	1.1	1.1	1.3	—
2	1.2	1.3	1.1*	1.0	0.7	0.9	0.8	0.5	—	1.0*	1.3*	—
3	0.9	0.7	0.8	1.3	1.2	1.2	1.0*	0.9	—	0.8*	1.3*	—
4	1.0	0.4	0.6	1.3	1.3	1.1	0.6*	0.8	—	0.8	1.4*	—
5	—	0.7	1.1	1.2	1.0	0.9	0.6	0.6	0.6	0.9	1.3	—
6	—	0.8	1.7	1.2	0.9	0.8	0.6	0.8	0.9	0.7	1.5	—
7	—	0.9	0.8	0.9	0.9	0.7	0.7	1.2	1.0	1.0	1.5	0.3
8	1.6	1.2	1.2	0.9	0.6	0.8	1.1	1.0	—	1.0	1.3	1.1
9	1.0	0.7	1.2	1.2	0.7	0.8	0.9	1.3	—	0.7	1.4	0.8
10	0.6	0.9	1.2	1.1	1.3	1.3	0.8	0.9*	—	1.0	1.5	0.5
11	0.8	1.0	1.2	1.0	0.8	1.0	1.4	0.9	—	1.0	2.2	0.9
12	1.2	1.0	1.1	1.1	0.7	0.9	1.0	1.0	—	1.0	1.5	0.5
13	1.0	0.9	1.2	1.1	0.9	0.8	0.6*	1.2	1.0	1.2	1.1	0.3
14	0.7	1.6	1.0	1.4	1.0	0.8	0.6*	1.4	—	0.8	1.4	0.7
15	1.6	1.1	1.2	1.0	1.5	1.0	1.0	—	0.7	0.9	1.4	1.0*
16	1.8	1.2	1.2	0.8	1.1	1.0	0.9	—	1.1	0.9	1.3	0.5*
17	1.5	1.0	1.0	1.0	1.1	1.1	0.8	1.1	1.1	1.1	1.3	0.8
18	1.1	1.1	1.1	0.7	0.9	0.8	0.9	0.9	0.8	0.9	1.3	1.3
19	0.6	0.8	1.0	1.0	0.7	0.5	0.8	1.0	0.9	0.9	1.0	1.2
20	0.9	0.8	0.7	0.5	0.8	0.9	0.8*	0.9	1.0	0.4	1.2	1.0*
21	0.8	1.1	0.9	0.7	0.9	0.8	0.6	—	1.5	0.9	—	0.6*
22	0.7	0.6	0.8	0.8	1.0	1.2	0.8	—	1.0	0.9	—	0.5
23	0.4	0.9	1.1	1.1	0.5	1.9	0.6	2.0	0.9	1.3	—	0.5*
24	1.3	0.7	0.9	1.3	0.7	1.1	0.8	1.5	1.3	0.8	—	0.7
25	0.9	0.8	0.8	0.6*	1.1	0.9	0.9	1.7	1.1	1.0	—	0.8
26	1.1	1.0	0.6	0.8	1.3	1.0	1.2	1.2	—	0.9	0.9	0.3
27	1.0	1.0	0.8	0.6	1.0	1.3	1.0	—	—	0.9	0.6	0.6
28	—	1.6	1.2	0.8	1.1	1.1	1.1	—	—	1.0	1.1	0.3
29	—	1.1*	0.9*	0.9	1.3	1.5	1.1	—	1.8	1.0	0.9	0.5
30	—	—	1.1	1.0	0.5	0.9	1.2	—	1.1	1.1	0.9	0.5*
31	1.0	—	0.8	—	1.1	—	0.9*	1.8	—	1.2	—	0.6*
Mean ratio.	1.0	1.0	1.0	1.0	1.0	1.0	0.9	1.1	1.0	0.9	1.3	0.7
Mean amount of differences.	416		423		303		338		519		412	

TABLE 25. Showing, for every day, the ratio R, a relative measure of the diurnal variation, as deduced from Table C. — Vertical Force — 1885.

	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
1	—	—	1.1	1.4	0.7	1.2	1.2	1.5	1.0	1.6	0.9	1.1
2	—	1.3	0.7	1.2	1.7	0.9	1.1	0.7	0.8	1.4	0.7	0.5
3	—	1.0	1.3	1.0	1.5	0.7	1.1	0.8	0.8	1.2	2.1	0.8
4	1.4	1.5	0.8	1.1	1.3	0.8	1.2	1.0	0.8	1.3	1.0	0.6
5	0.6	1.4*	1.1	1.6	1.0	0.8	1.3	0.6	0.6	0.7	1.0	0.9
6	0.8	0.9*	1.0	1.3	1.0	0.8	0.7	1.2	1.0	0.9	0.8	1.0
7	0.9	0.8*	0.9	1.2	1.2	0.9	0.8	1.0	0.8	1.2	1.1*	0.5*
8	0.7	0.8*	1.1	1.3	0.9*	0.9	0.8	0.8	1.1	1.2	0.6*	0.7*
9	0.2*	1.1	1.1	1.1	1.0	1.0	1.1	0.8	0.7	0.9	1.2	1.0
10	0.6	1.9	0.6	1.4	1.5	0.9	1.1	0.9	0.8	1.4	1.2	0.6
11	0.9	1.0	0.6	0.9	1.8	0.9	1.0	0.6	0.7	0.8	1.7	0.9
12	0.2	1.2	0.9	1.2	0.6*	0.9	0.9	0.9	1.2	1.2	1.0	0.9
13	0.6	1.4	1.2	1.2	0.8*	1.2	0.7	0.8	0.6	1.2	1.1	1.2
14	0.4	1.3	0.5	0.9	1.0*	1.1	1.2	0.5	0.7	0.7	1.2	1.4
15	0.5	1.8	0.8*	0.9	1.2	1.0	1.0	1.0	1.5	1.3	1.1	0.8
16	0.9	1.2	0.7*	0.8	0.9	0.8	1.1	1.3	1.0	0.8	0.6	0.5
17	0.6	2.0	1.1*	1.3	1.0	1.0	1.1	0.9	0.6	0.7	0.7	0.8
18	0.6	1.7	0.7	1.7	0.5	1.0	1.0*	1.7	1.0	0.9	1.1	0.9
19	0.5	1.2	0.8	1.2	0.3	0.7	1.4	1.1	0.8	0.8	0.8	0.9
20	1.1	1.7	0.9	0.9	0.8	1.3	0.6	1.2	0.6	1.4	1.4	0.8
21	0.8	1.3	0.5	1.0	0.6	0.9	1.0	1.5	0.6	1.2	0.9	1.0
22	1.1	0.9	0.9*	0.8	0.6	0.7	1.2	1.2	1.2	1.8	1.0	1.0
23	1.1	0.8	0.9	1.0	0.9	0.8*	1.0*	1.3	1.0*	1.0	0.8	1.1
24	0.5	0.6	0.7	0.9	1.1	1.1	0.8	1.3	0.8	1.2	1.0	0.8
25	0.8	0.8	0.8	0.8	1.2	1.7	0.8	1.0	0.9	1.1	1.2	0.9
26	1.0	1.1	1.1	1.0	1.4*	0.8*	1.1	1.4	1.3	0.9	1.2	2.0
27	0.5	1.2	0.8	0.8*	1.0*	0.9	0.6	1.0	1.3	0.8	0.6	1.5
28	0.7	0.7	0.8	1.3	0.8*	0.6	0.6	1.2	0.9	0.9	1.2	1.5
29	0.7	—	1.0	0.7	0.9	0.9	0.7	1.0*	0.9	0.6	0.8	1.2
30	1.6	—	1.1	0.7	1.0	1.0	0.7	0.6*	1.9	0.9	0.7	0.7
31	—	—	1.0	—	0.7	—	1.4	0.9	—	1.2	—	1.3
Mean ratio.	0.8	1.2	0.9	1.1	1.0	0.9	1.0	1.0	0.9	1.1	1.0	1.0
Mean amount of differences.	356		366		317		310		371		354	

TABLE 26. Mean hourly and monthly amount of deviations, positive and negative taken conjointly. Declination 1884; — unity = 0.1.

	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual Means.
1 a. m.	2.6	2.5	2.9	1.9	2.4	2.7	2.3	2.1	2.7	3.0	2.8	3.2	2.60
2	2.7	2.7	3.7	2.8	2.3	2.8	2.4	2.8	2.4	3.0	2.9	3.4	2.83
3	3.3	3.3	3.4	3.1	2.4	2.6	2.6	2.7	2.7	3.2	2.8	3.5	2.96
4	3.5	3.3	4.0	4.1	2.6	2.0	2.6	2.1	2.6	3.9	3.3	3.8	3.17
5	4.3	3.0	5.2	5.0	2.3	2.4	3.0	2.4	3.5	4.6	2.9	4.2	3.57
6	6.2	5.8	6.1	6.7	3.1	2.1	2.8	2.7	6.2	7.3	5.1	5.0	4.92
7	7.9	6.2	7.2	7.6	5.5	5.1	5.2	3.7	11.2	9.1	4.5	6.1	6.57
8	7.5	5.8	4.2	8.3	6.7	6.1	6.4	4.0	8.3	6.8	4.2	6.2	6.20
9	6.4	5.7	4.9	5.2	6.6	6.4	6.5	3.5	7.2	5.4	6.4	4.9	5.75
10	8.6	10.2	7.9	5.0	4.7	4.5	5.2	3.3	4.5	6.2	6.8	6.0	6.08
11	10.9	13.1	9.4	6.7	4.4	4.4	5.4	3.6	4.4	7.4	7.9	7.2	7.09
12	11.3	11.0	9.6	9.2	5.2	4.0	6.4	4.6	8.7	8.3	6.2	7.9	7.70
1 p. m.	0.5	6.9	8.3	7.9	5.8	4.7	7.4	6.6	10.9	8.5	5.0	7.1	7.45
2	8.0	4.4	5.2	6.1	5.5	4.9	6.2	6.9	9.4	7.5	3.6	6.9	6.20
3	7.5	5.7	3.2	4.0	4.3	3.9	3.9	5.0	6.2	4.5	3.8	6.5	4.86
4	6.8	6.2	4.7	4.0	2.5	4.5	3.6	3.4	4.3	4.5	5.3	5.1	4.58
5	5.8	5.9	4.4	3.0	2.7	4.1	4.0	3.7	4.4	4.1	4.3	4.8	4.28
6	5.2	3.8	3.8	3.5	2.7	3.4	3.0	3.1	1.7	3.1	2.7	5.1	3.45
7	4.0	3.0	3.4	2.6	2.6	3.0	2.9	3.2	1.5	3.7	2.7	4.9	3.16
8	3.1	3.0	2.6	3.7	3.1	2.6	3.9	2.9	2.3	2.8	3.9	3.6	3.15
9	2.8	2.9	2.5	2.6	3.2	2.8	2.7	3.1	2.7	3.3	3.3	3.6	2.97
10	2.7	2.6	2.8	1.9	3.3	2.3	2.8	2.9	2.9	3.5	3.2	4.0	2.91
11	2.5	2.5	2.4	2.0	2.9	2.7	2.8	2.0	2.6	3.2	3.3	3.2	2.67
12	2.3	1.9	3.1	2.1	2.4	2.4	2.8	2.1	2.9	3.5	2.9	3.3	2.67
Monthly Means.	5.68	5.06	4.79	4.55	3.72	3.60	4.03	3.43	4.84	5.02	4.16	4.98	4.49

TABLE 27. Mean hourly and monthly amount of deviations, positive and negative taken conjointly. — Declination 1885. — Unity = 0.1.

	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual means.
1 a. m.	3.1	4.7	2.1	2.1	2.8	1.9	2.6	2.2	3.1	3.8	1.7	3.4	2.78
2	3.8	4.5	2.1	2.6	3.7	2.0	2.5	2.4	3.1	3.3	1.6	3.3	2.90
3	3.5	5.2	2.9	2.8	2.8	2.1	2.2	2.8	3.2	3.2	2.8	3.7	3.08
4	4.4	6.1	3.2	3.4	2.5	1.9	2.2	2.7	3.3	3.4	2.8	4.0	3.31
5	5.6	7.7	2.7	3.2	3.5	2.5	1.9	2.3	3.0	4.0	2.7	3.3	3.52
6	8.7	9.8	2.8	3.3	5.3	3.0	3.0	3.0	5.4	6.8	4.2	4.7	4.98
7	6.5	7.9	3.5	4.8	5.9	4.8	3.9	3.5	9.1	8.7	4.1	3.4	5.48
8	5.7	3.6	4.1	5.1	7.6	4.8	5.4	4.1	8.0	7.1	4.0	4.7	5.36
9	9.5	8.8	4.1	3.5	6.8	4.6	5.0	4.4	6.0	5.8	4.5	6.6	5.79
10	11.6	14.4	4.8	4.6	4.7	3.6	3.9	4.8	3.9	5.6	6.4	8.4	6.34
11	9.4	13.2	7.1	6.3	4.3	3.5	3.4	4.0	5.6	5.6	7.5	9.6	6.58
12	5.9	10.2	7.5	7.2	5.7	3.6	4.7	4.9	8.4	7.2	8.3	8.1	6.78
1 p. m.	6.1	6.1	5.1	6.9	7.3	4.7	5.7	4.5	11.0	9.3	5.8	5.4	6.48
2	6.8	4.5	3.7	5.2	6.5	4.9	6.3	5.5	8.1	8.1	3.8	4.2	5.65
3	8.2	4.7	3.2	3.8	4.5	4.7	5.5	4.1	4.6	4.5	3.7	3.7	4.60
4	6.2	5.0	3.3	4.0	4.4	2.6	2.6	3.5	4.6	4.2	4.4	3.9	4.05
5	5.5	5.6	3.9	3.7	2.8	3.0	2.5	2.9	4.2	4.4	3.6	4.3	3.87
6	3.2	4.4	2.4	2.9	3.3	3.8	3.0	4.6	3.8	3.5	3.5	3.7	3.50
7	3.1	3.4	2.1	3.3	3.0	2.8	2.5	3.5	3.5	2.7	2.9	3.0	2.97
8	3.0	3.0	2.5	2.6	3.0	2.7	2.2	3.2	2.9	2.6	2.9	2.2	2.73
9	2.3	3.9	3.1	2.5	4.3	3.1	2.5	2.8	2.6	2.1	2.4	2.4	2.82
10	3.5	3.4	1.7	2.4	3.5	2.5	2.3	2.8	2.7	2.3	2.1	2.9	2.68
11	3.0	2.9	1.9	1.9	3.9	2.9	2.4	2.3	2.1	2.3	2.2	2.6	2.53
12	2.5	4.0	2.8	2.3	3.5	2.7	2.1	2.2	2.4	2.9	2.4	3.2	2.75
Monthly means.	5.46	6.13	3.44	3.77	4.40	3.28	3.35	3.46	4.78	4.73	3.76	4.36	4.24

TABLE 28. Mean hourly and monthly amount of deviations, positive and negative taken conjointly. — Horizontal Force 1884. — Unity = 0.00001 c. g. s.

	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual means.
1 a. m.	2.5	4.4	5.2	3.3	2.8	5.1	4.1	3.6	5.4	5.6	6.4	5.1	4.44
2	3.3	2.6	6.5	4.1	4.2	4.9	3.8	4.6	6.0	6.0	6.2	5.4	4.80
3	4.0	4.1	7.0	5.3	4.7	5.1	6.3	3.5	4.9	4.8	6.2	5.5	5.10
4	3.4	3.3	7.9	4.6	3.9	5.0	6.4	3.2	6.1	5.3	6.9	5.2	5.09
5	3.7	4.7	6.7	4.2	5.3	5.3	9.5	4.1	5.6	4.6	6.7	6.6	5.60
6	3.8	5.0	6.3	4.1	4.8	6.4	8.7	3.6	6.0	7.3	5.1	6.3	5.62
7	6.6	5.1	5.9	6.2	5.8	5.5	6.4	3.8	5.9	7.1	5.1	7.1	5.89
8	7.2	5.7	7.1	5.0	5.9	5.8	5.9	5.3	5.7	5.7	5.9	7.4	6.04
9	7.9	5.1	4.9	6.3	6.8	5.3	5.2	5.0	5.9	5.1	5.3	6.4	5.77
10	5.9	4.0	4.7	5.5	5.1	6.1	6.0	5.1	5.1	7.5	4.5	4.4	5.35
11	5.1	3.6	7.2	6.8	5.7	7.1	7.8	4.3	6.0	8.1	5.6	6.6	6.18
12	6.2	4.3	6.4	5.7	7.7	4.6	7.5	4.8	7.4	6.9	7.2	8.0	6.41
1 p. m.	6.1	6.6	8.8	7.3	7.0	6.4	8.4	5.1	7.8	6.5	9.2	8.7	7.30
2	6.8	5.4	9.2	9.1	7.9	8.3	8.0	8.4	6.8	7.5	9.6	9.0	8.00
3	6.4	6.0	10.4	9.8	8.2	7.0	7.8	6.3	7.6	7.5	10.1	9.6	8.02
4	6.6	6.7	8.8	7.2	8.1	6.4	8.7	5.1	7.4	7.4	8.6	10.5	7.61
5	6.1	7.8	7.0	5.5	7.6	8.1	8.7	3.7	7.1	6.0	7.3	9.5	7.02
6	5.4	7.0	6.0	5.8	4.7	6.5	6.2	5.3	6.1	5.0	6.9	5.1	5.83
7	4.0	5.3	6.5	7.3	3.4	6.0	4.8	4.6	5.1	5.4	7.7	5.4	5.43
8	4.3	5.3	4.8	5.8	3.8	4.5	6.5	4.7	5.5	6.3	8.2	3.3	5.27
9	3.3	5.2	6.0	5.0	4.1	4.4	6.7	4.1	6.3	5.0	6.4	4.4	5.08
10	3.2	4.9	4.9	6.0	4.3	5.5	5.5	4.2	4.8	5.1	5.4	5.9	4.97
11	4.1	5.0	4.9	4.5	3.5	5.7	5.1	4.7	4.9	5.2	6.1	5.4	4.93
12	4.2	5.4	7.0	4.4	4.7	4.8	4.5	4.6	4.6	5.4	5.6	4.9	4.99
Monthly Means.	5.00	5.10	6.67	5.78	5.42	5.83	6.60	4.65	6.00	6.10	6.76	6.49	5.87

TABLE 29. Mean hourly and monthly amount of deviations, positive and negative taken conjointly. — Horizontal Force 1885. — Unity = 0.00001 c. g. s.

	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual means.
1 a. m.	5.2	4.8	8.5	7.8	6.9	3.5	5.4	4.3	5.7	5.2	4.5	3.2	5.46
2	3.9	3.6	6.9	6.1	5.7	6.4	4.1	4.2	7.2	5.5	3.8	3.9	5.16
3	3.8	5.8	5.5	5.7	5.7	3.9	4.8	5.6	7.2	5.5	4.6	5.6	5.32
4	4.4	4.0	5.9	5.0	5.7	5.1	6.3	4.8	5.4	4.5	4.6	5.1	5.09
5	4.5	5.6	7.5	5.5	7.5	6.3	7.2	4.9	5.0	3.9	4.3	4.4	5.55
6	4.8	5.0	7.0	6.9	6.2	6.5	5.1	5.0	5.1	4.2	3.8	5.1	5.42
7	6.2	7.1	7.7	7.7	6.1	6.7	6.2	5.9	7.1	4.9	3.8	5.7	6.25
8	5.0	6.7	7.1	7.6	9.3	6.1	5.0	5.5	8.0	4.5	5.4	5.3	6.29
9	3.5	8.7	6.4	5.5	8.6	7.2	5.3	5.2	6.8	5.0	5.2	5.5	6.03
10	4.8	10.6	7.0	5.5	6.4	6.6	3.5	4.1	5.5	4.1	4.8	5.9	5.63
11	6.5	5.8	6.3	7.7	7.4	4.9	6.0	4.1	6.7	5.8	5.0	6.2	6.04
12	5.1	6.0	6.8	8.9	9.3	5.9	4.7	6.7	7.6	7.1	4.8	5.0	6.47
1 p. m.	6.0	8.9	8.6	9.7	9.5	7.2	6.3	8.0	7.8	5.0	6.1	4.5	7.27
2	8.1	8.6	7.9	10.8	12.8	7.1	5.8	8.8	8.2	4.5	5.9	4.5	7.72
3	6.8	7.0	8.2	8.1	10.2	6.3	6.3	8.2	8.1	7.4	5.6	7.3	7.48
4	5.9	7.2	7.4	8.6	9.2	5.1	7.2	8.7	8.3	8.6	7.1	5.5	7.41
5	5.9	7.7	8.4	6.2	6.6	6.3	6.5	7.0	5.8	8.5	7.1	5.2	6.76
6	5.8	6.7	4.2	6.6	6.0	7.5	4.6	6.3	7.3	7.8	7.2	4.8	6.23
7	5.5	6.8	5.6	6.3	6.0	5.1	4.5	5.7	8.7	7.8	6.5	5.2	6.12
8	6.2	8.1	8.4	5.7	7.3	5.7	4.2	6.9	7.3	6.7	5.5	4.4	6.34
9	4.8	9.4	8.0	5.6	9.0	4.9	3.9	4.9	7.8	5.7	5.1	4.4	6.05
10	4.1	7.1	7.2	4.1	8.3	5.6	4.1	4.6	7.0	6.2	7.3	5.1	5.87
11	3.9	6.8	6.6	5.3	8.9	5.1	5.4	4.7	8.2	6.5	6.8	5.2	6.11
12	3.9	7.3	6.9	4.7	7.4	3.9	4.8	5.5	6.0	5.6	5.2	4.3	5.42
Monthly means.	5.19	6.89	7.08	6.73	7.75	5.79	5.30	5.82	6.97	5.85	5.42	5.05	6.15

TABLE 30. Mean hourly and monthly amount of deviations, positive and negative taken conjointly. — Vertical Force. 1884. — Unity = 0.00001 c. g. s.

	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual means.
1 a. m.	2.9	3.8	3.0	2.5	2.9	2.8	2.4	3.3	5.3	4.0	5.0	4.0	3.40
2	3.3	3.0	3.2	2.9	3.1	3.1	3.0	3.7	6.8	4.0	4.9	4.5	3.67
3	3.2	3.5	3.2	3.4	3.2	2.8	4.2	3.9	5.6	5.2	5.1	5.0	3.95
4	3.5	3.8	3.3	3.3	3.2	2.4	4.7	4.4	8.7	6.2	5.7	5.4	4.39
5	3.8	4.6	3.4	3.9	3.5	3.2	5.4	4.2	8.7	6.5	5.6	6.1	4.78
6	4.6	6.0	5.6	4.2	4.0	4.1	5.6	5.0	11.3	7.8	5.8	8.1	5.83
7	6.3	6.9	5.6	4.9	4.6	5.2	5.6	5.5	13.8	8.3	7.7	8.8	6.67
8	7.4	10.3	6.7	6.0	6.2	5.5	6.4	6.2	15.2	8.5	10.6	11.9	8.11
9	7.1	9.5	6.6	5.7	5.0	4.9	6.4	7.3	13.1	7.7	9.6	11.3	7.58
10	6.8	7.7	5.7	5.5	4.8	4.4	6.6	6.9	10.7	6.2	9.8	9.6	6.84
11	8.1	5.9	4.7	5.6	6.4	4.4	7.0	6.3	8.8	7.5	6.6	9.0	6.57
12	8.4	5.3	5.4	5.5	6.1	5.0	7.9	4.4	9.6	7.8	6.0	10.2	6.72
1 p. m.	9.2	5.5	5.1	4.8	5.1	5.6	7.7	5.9	11.4	9.4	9.0	11.4	7.29
2	9.4	8.4	7.1	5.3	4.7	6.2	8.2	6.4	12.1	9.3	11.4	8.0	7.86
3	9.2	9.1	7.5	7.3	5.5	5.4	7.3	6.0	9.2	7.7	11.2	9.2	7.76
4	9.6	7.8	5.4	6.0	5.2	4.4	6.2	4.7	7.3	7.7	9.2	10.2	6.88
5	9.6	7.2	4.7	4.6	3.6	4.3	4.3	3.4	5.8	5.8	6.9	7.8	5.58
6	6.1	6.9	4.4	3.5	2.7	3.2	3.4	3.6	4.3	3.5	6.0	5.2	4.34
7	3.7	5.0	4.6	3.7	2.5	2.4	2.6	3.2	3.9	4.8	4.8	6.3	3.93
8	3.4	4.0	2.9	3.4	2.5	2.3	3.4	2.6	4.9	5.0	5.5	5.7	3.73
9	2.3	3.6	3.3	3.3	2.7	2.4	4.2	2.2	6.2	4.5	4.6	4.4	3.57
10	2.5	3.0	3.4	4.3	2.7	3.1	3.4	3.1	5.5	3.8	6.6	4.7	3.77
11	2.9	3.6	3.0	3.3	2.2	3.8	2.6	3.3	6.7	4.5	7.2	4.7	3.84
12	3.5	3.9	3.9	3.0	2.6	3.1	2.7	3.3	5.8	4.4	7.4	3.8	3.84
Monthly means.	5.70	5.76	4.65	4.41	3.96	3.92	5.05	4.53	8.36	6.25	7.18	7.30	5.59

TABLE 31. Mean hourly and monthly amount of deviations, positive and negative taken conjointly. — Vertical Force 1885. — Unity = 0.00001 c. g. s.

	January.	February	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual means.
1 a. m.	3.6	4.7	5.9	5.8	4.1	4.1	3.5	4.9	4.6	5.9	5.0	3.6	4.65
2	2.9	4.4	5.5	4.6	4.8	4.7	3.9	4.9	4.8	6.0	7.0	4.6	4.86
3	4.1	6.2	3.5	4.6	4.0	4.7	4.2	5.7	5.5	5.0	5.1	4.8	4.78
4	4.1	5.1	4.4	4.9	3.7	5.1	5.3	6.3	4.3	5.7	4.4	4.9	4.86
5	3.1	4.7	5.6	5.3	4.9	5.3	5.0	6.6	4.7	6.5	6.6	5.1	5.29
6	3.8	5.2	5.8	6.3	6.2	5.6	5.8	7.7	6.9	9.8	5.4	6.2	6.27
7	6.6	7.7	6.8	7.0	8.2	6.5	5.9	7.4	9.5	11.3	5.1	7.3	7.45
8	10.4	12.9	8.2	8.9	8.8	4.9	6.9	6.8	10.4	13.4	8.8	9.9	9.15
9	10.8	12.0	7.8	7.9	7.5	6.4	4.5	8.0	9.1	12.4	9.0	10.1	8.75
10	10.1	10.4	6.9	7.8	6.8	7.0	4.7	7.6	7.0	6.7	9.2	9.1	7.74
11	5.8	8.6	6.3	6.3	6.6	5.5	7.5	7.8	6.9	5.3	8.8	6.6	6.81
12	7.9	7.1	5.4	5.3	7.8	5.5	7.4	7.7	9.9	10.1	7.6	6.8	7.37
1 p. m.	10.8	10.1	9.0	9.1	7.3	7.0	6.6	7.5	9.9	11.5	7.8	8.2	8.71
2	10.4	10.1	8.6	10.5	10.8	6.7	8.0	9.4	10.0	7.7	9.2	9.4	9.20
3	8.3	10.4	6.2	11.2	9.0	6.4	7.2	8.6	8.2	6.6	8.3	10.6	8.40
4	8.7	8.5	5.6	9.0	7.7	5.0	6.6	8.7	8.6	7.0	8.6	6.9	7.56
5	7.3	5.4	6.3	6.1	5.7	5.8	5.8	6.6	5.1	7.7	7.3	5.1	6.19
6	5.2	4.0	4.6	5.7	5.7	4.8	4.2	5.2	5.8	7.2	5.8	4.8	5.27
7	4.5	4.6	5.2	4.3	4.7	3.3	3.8	5.1	6.4	6.1	5.0	4.7	4.82
8	4.8	5.7	6.3	3.6	5.0	3.4	3.2	6.2	5.3	5.5	5.3	4.6	4.90
9	3.6	6.3	5.5	3.6	5.8	3.3	3.1	3.8	5.9	4.5	5.0	4.6	4.57
10	2.6	4.9	5.0	2.4	5.4	4.2	3.2	3.6	4.2	6.4	7.6	4.7	4.52
11	2.4	4.6	4.9	3.8	5.9	3.7	4.1	3.7	6.3	6.9	6.4	5.2	4.85
12	2.9	5.2	5.7	3.1	4.3	4.0	4.0	5.2	7.2	3.9	4.6	3.5	4.48
Monthly means.	6.03	7.03	6.04	6.13	6.28	5.12	5.18	6.46	6.94	7.46	6.79	6.30	6.31

TABLE 32. Mean hourly amount of deviations, positive and negative taken separately, for the whole period 1882 — 1885.

	Declination in minutes of arc.		Horizontal Force, unity = 0.00001 c. g. s.		Vertical Force, unity = 0.00001 c. g. s.	
	positive	negative	positive	negative	positive	negative
1 a. m.	0.26	0.31	6.0	4.8	3.8	4.2
2	0.26	0.32	6.6	4.2	3.9	4.6
3	0.27	0.32	6.9	4.3	3.9	5.0
4	0.30	0.33	7.1	4.0	4.4	5.2
5	0.34	0.36	7.8	4.1	4.8	5.7
6	0.49	0.49	7.4	4.4	5.9	6.6
7	0.67	0.59	7.4	5.3	7.2	7.4
8	0.67	0.55	6.9	5.9	8.7	8.2
9	0.62	0.53	6.0	6.5	8.1	7.6
10	0.64	0.55	5.3	6.7	7.7	6.6
11	0.73	0.66	5.2	8.0	6.9	6.0
12	0.74	0.75	5.0	8.5	7.5	6.1
1 p. m.	0.67	0.74	5.9	9.7	8.2	6.9
2	0.55	0.63	6.8	9.7	8.6	7.4
3	0.45	0.47	7.2	9.2	8.3	7.4
4	0.44	0.42	7.1	8.5	7.1	7.0
5	0.42	0.40	6.6	7.7	5.6	6.0
6	0.36	0.36	5.5	7.1	4.6	4.7
7	0.31	0.31	5.2	7.2	4.8	4.0
8	0.30	0.31	5.3	7.4	4.9	4.0
9	0.28	0.30	5.4	7.0	4.3	3.8
10	0.27	0.29	5.3	6.4	4.2	3.8
11	0.25	0.29	5.7	5.9	4.3	4.1
12	0.25	0.30	6.5	5.4	3.9	4.5
Means.	0.44	0.44	6.3	6.6	5.9	5.7

TABLE 34. Showing the number of times the different deviations occurred at the hours of the day and determination of the separating value or limit of disturbance.
Horizontal Force. 1882-1885.

Deviations.	0	1-2		3-4		5-6		7-8		9-10		11-12		13-14		15-16		17-18		19-20		21-22		23-24			
		+	-	+	-	+	-	+	-	+	-	+	-	+	-	+	-	+	-	+	-	+	-	+	-		
1 a. m.	82	170	173	123	147	75	70	45	43	30	24	26	14	13	13	15	4	8	4	9	6	5	1	1	4		
2	83	160	204	107	143	53	88	49	44	33	24	28	12	20	5	15	4	9	4	8	-	4	-	6	2		
3	81	162	170	98	159	63	95	43	48	28	26	31	18	15	4	19	6	10	4	16	1	5	1	6	1		
4	96	141	188	100	171	58	85	50	48	33	24	21	10	20	10	11	6	8	1	9	-	4	-	4	2		
5	80	130	186	102	148	63	115	59	63	27	26	33	13	15	6	13	-	15	3	7	2	3	1	6	1		
6	76	148	175	100	148	63	104	49	65	23	34	28	10	18	5	15	4	5	2	11	2	3	-	6	2		
7	71	140	122	92	131	83	99	52	83	37	38	30	26	13	17	12	5	17	2	9	1	6	2	4	1		
8	69	116	118	106	130	87	92	58	79	51	47	30	26	18	17	15	10	6	6	4	1	3	2	2	3		
9	65	112	126	132	113	79	87	69	84	33	46	29	29	17	17	11	15	11	8	6	3	3	4	1	4		
10	88	130	137	107	130	90	69	73	67	50	36	25	18	11	15	3	18	4	14	3	5	1	2	-	3		
11	84	116	127	135	118	101	72	75	35	46	32	32	30	9	15	3	20	3	9	2	10	1	12	-	2		
12	66	153	134	119	82	110	71	65	61	45	35	27	31	10	15	7	19	1	13	2	8	-	3	1	7		
1 p. m.	59	120	108	128	92	91	72	65	43	58	41	35	35	19	27	9	18	8	14	4	7	2	14	2	6		
2	45	106	102	98	105	94	62	78	64	55	40	34	39	20	27	11	22	9	12	12	9	2	12	5	10		
3	57	117	103	94	88	71	79	69	58	59	49	33	31	23	24	20	23	23	16	5	11	4	7	3	6		
4	46	151	121	97	94	85	76	57	69	44	30	19	31	22	25	11	23	14	13	9	7	10	10	1	7		
5	73	152	137	123	107	82	71	43	46	44	36	21	19	17	20	10	15	8	16	7	9	9	6	3	3		
6	94	181	130	133	90	90	56	64	43	38	32	22	27	17	8	10	8	7	14	7	2	3	9	4	7		
7	97	188	129	156	75	106	48	60	42	41	23	19	17	12	9	11	10	11	7	7	11	7	2	2	8		
8	82	188	127	163	89	108	41	68	38	35	27	22	18	14	13	15	9	4	8	5	1	1	6	3	6		
9	82	190	137	158	88	103	44	71	34	29	35	22	17	9	18	8	8	5	7	8	3	4	3	2	6		
10	81	188	143	146	89	120	53	56	39	34	24	17	15	14	18	9	8	9	11	4	8	2	6	5	2		
11	81	171	163	130	97	82	81	65	41	35	26	27	19	13	17	8	6	8	2	8	4	6	4	3	3		
12	80	151	178	114	113	99	87	45	49	31	24	25	9	15	13	15	8	10	5	11	7	4	3	3	3		
midn. — 8 a. m.	718	1318	1514	942	1293	644	835	430	522	293	267	252	138	147	90	130	47	88	31	84	20	37	10	38	19		
9 a. m. — 11 p. m.	1100	2263	1924	1919	1457	1412	982	978	764	646	512	384	376	227	268	146	222	125	164	89	98	55	100	35	80		
midn. — 8 a. m.		- 196		- 351		- 191		- 92		+ 26		+ 114		+ 57		+ 83		+ 57		+ 64		+ 27		+ 19			
9 a. m. — 11 p. m.		+ 339		+ 462		+ 430		+ 214		+ 134		+ 8		- 41		- 76		- 39		- 10		- 45		- 45			
		- 535		- 813		- 621		- 306		- 108		+ 106		+ 98		+ 159		+ 96		+ 74		+ 72		+ 64			
25-26	27-28	29-30	31-32	33-34	35-36	37-38	39-40	41-42	43-44	45-46	47-48	49-50 and larger.	Total amount.														
+	-	+	-	+	-	+	-	+	-	+	-	+	-														
+	-	+	-	+	-	+	-	+	-	+	-	+	-														
4	-	-	1	4	2	2	1	1	-	-	-	-	537	509													
3	-	3	-	1	-	-	2	-	-	-	-	-	511	535													
3	1	-	3	-	-	2	1	2	-	-	-	-	514	535													
8	-	2	1	4	1	1	-	-	2	-	-	-	486	547													
3	-	3	-	4	-	-	1	-	2	-	-	-	485	564													
5	1	6	-	-	1	4	-	3	1	1	-	-	498	554													
2	1	5	1	2	-	2	1	2	-	1	2	-	519	535													
1	1	3	6	3	1	1	1	5	-	1	-	-	516	541													
1	2	2	1	1	1	1	-	2	-	2	-	-	510	550													
1	2	-	1	1	1	-	4	-	2	-	-	-	502	535													
-	4	-	8	-	3	-	2	-	3	-	-	-	525	516													
-	2	1	5	4	-	4	-	-	6	-	-	-	542	517													
-	8	-	3	1	5	1	1	3	2	-	5	-	544	522													
1	4	1	5	1	6	2	4	2	2	-	5	-	533	547													
5	4	2	2	1	4	-	5	-	5	-	2	-	533	535													
3	9	2	2	-	4	-	7	1	1	1	-	-	537	542													
1	4	1	5	1	3	-	3	1	2	1	4	-	533	519													
-	1	2	4	-	4	-	4	-	2	-	1	-	581	450													
1	3	1	5	-	4	-	3	-	1	-	-	-	624	408													
3	4	1	1	-	1	1	3	-	4	1	4	-	635	410													
2	-	4	6	1	2	2	2	-	2	1	-	-	622	424													
4	1	1	3	2	-	1	1	-	1	1	-	-	614	431													
2	-	-	2	-	4	-	2	1	1	-	-	-	565	480													
3	2	2	-	3	2	-	1	-	2	1	-	-	538	510													
32	6	24	9	24	8	14	4	16	4	9	2	8	1	7	1	5	3	11	2	3	-	7	-	41	4	1604	4830
42	48	18	54	9	47	5	46	7	30	5	30	5	23	4	16	8	24	3	7	4	11	4	11	25	92	8400	7386
+26	+15	+16	+10	+12	+7	+7	+6	+2	+9	+3	+7	+37															
-24	-36	-38	-41	-23	-25	-18	-12	-16	-4	-7	-7	-67															
+50	+51	+54	+51	+35	+32	+25	+18	+18	+13	+10	+14	+104	27038														

TABLE 36. Aggregate values and numbers of disturbances in the different months, positive and negative taken separately.

		Declination, in minutes of arc.				Horizontal Force, unity = 0.00001 c. g. s.				Vertical Force, unity = 0.00001 c. g. s.			
		Aggregate values		Numbers		Aggregate values		Numbers		Aggregate values		Numbers	
		positive	negative	positive	negative	positive	negative	positive	negative	positive	negative	positive	negative
July	1882.	33.9	18.9	19	10	613	679	42	34	873	748	52	49
August	»	14.3	14.4	10	10	1077	1424	61	73	495	278	34	22
September	»	18.9	25.7	12	15	324	462	23	30	149	209	11	16
October	»	49.1	25.5	27	16	1940	2354	95	91	829	568	47	26
November	»	67.5	48.5	32	22	3574	2707	97	91	1850	1875	73	80
April	1883.	30.0	23.5	16	15	1529	1596	69	64	358	240	23	19
May	»	23.7	13.0	15	7	537	712	30	38	330	290	22	21
June	»	14.2	9.4	9	6	854	957	54	47	562	582	33	31
July	»	20.5	25.6	12	16	1372	1350	72	66	668	604	44	41
August	»	37.7	43.2	22	25	1344	1163	59	59	727	598	47	42
September	»	54.9	77.2	31	37	1829	1958	75	74	1353	1393	66	77
October	»	33.8	22.9	22	15	856	808	52	49	835	656	53	45
November	»	74.0	35.1	40	23	1720	1610	80	64	1472	1469	74	85
December	»	47.2	66.8	27	33	985	1006	66	61	1289	1444	67	82
January	1884.	52.7	94.8	31	48	650	714	45	46	746	717	46	43
February	»	60.1	31.3	33	19	586	713	39	42	921	753	57	50
March	»	82.0	26.8	46	17	1054	1024	71	52	683	349	46	25
April	»	37.4	59.9	18	31	770	984	48	49	298	312	21	23
May	»	10.4	24.9	5	16	711	844	43	51	231	238	17	18
June	«	21.6	4.2	13	3	742	873	48	41	416	240	28	18
July	»	34.9	18.7	21	10	1194	1479	59	79	823	606	56	40
August	»	12.9	13.3	7	9	468	573	30	34	382	368	26	26
September	»	43.2	57.5	26	30	944	1062	51	51	1163	1088	54	63
October	»	44.3	49.8	26	30	973	1203	56	55	1185	1014	67	63
November	»	44.2	16.9	24	10	1236	1286	70	49	1035	1189	56	75
December	»	36.4	53.2	24	30	1001	1325	54	61	1378	1123	73	61
January	1885.	82.7	52.8	46	34	1071	966	56	52	1059	976	63	63
February	»	60.8	99.6	36	53	957	1084	54	55	1411	1277	76	76
March	»	13.9	14.9	8	9	1260	1621	69	78	1101	865	59	54
April	»	18.0	16.2	13	11	1251	1334	76	66	1050	1029	58	62
May	»	30.9	39.3	18	22	1705	1710	83	70	1093	1250	56	82
June	»	7.3	9.2	4	5	906	1046	51	49	733	612	44	40
July	»	10.1	1.8	7	1	791	635	48	40	712	547	44	36
August	»	7.4	15.1	5	10	822	1095	51	55	1322	973	79	63
September	»	39.8	53.7	24	30	1015	1447	64	78	1406	1224	80	80
October	»	33.1	35.8	21	23	686	988	46	59	1567	1497	93	87
November	»	18.0	18.0	12	11	592	951	34	54	1347	1178	69	73
December	»	32.1	35.0	17	20	634	600	43	40	1341	1084	83	69
Total amount.		1353.9	1292.4	779	732	40573	44343	2164	2147	35193	31463	1997	1926
Average value of one disturbance.		1.74	1.77			18.8	20.7			17.6	16.3		

TABLE 37. Aggregate values, numbers of disturbances and mean daily value and number in the different months, positive and negative taken conjointly.

		Declination, in minutes of arc.				Horizontal Force, unity = 0.00001 c. g. s.				Vertical Force, unity = 0.00001 c. g. s.			
		Aggregate values.	Numbers.	Mean daily value.	Mean daily number.	Aggregate values.	Numbers.	Mean daily value.	Mean daily number.	Aggregate values.	Numbers.	Mean daily value.	Mean daily number.
July	1882.	52.8	29	1.96	1.1	1292	76	47.9	2.8	1621	101	55.9	3.5
August	»	28.7	20	0.93	0.6	2501	134	80.7	4.3	773	56	24.9	1.8
September	»	44.6	27	1.59	1.0	786	53	28.1	1.9	358	27	13.8	1.0
October	»	74.6	43	2.41	1.4	4294	186	138.5	6.0	1397	73	45.1	2.4
November	»	116.0	54	4.64	2.2	6281	188	232.6	7.0	3725	153	133.0	5.5
April	1883.	53.5	31	2.06	1.2	3125	133	120.2	5.1	598	42	31.5	2.2
May	»	36.7	22	1.47	0.9	1249	68	46.3	2.5	620	43	23.0	1.6
June	»	23.6	15	0.79	0.5	1811	101	67.1	3.7	1144	64	42.4	2.4
July	»	46.1	28	1.49	0.9	2722	138	87.8	4.5	1272	85	41.0	2.7
August	»	80.9	47	3.00	1.7	2507	118	80.9	3.8	1325	89	49.1	3.3
September	»	132.1	68	4.40	2.3	3787	149	126.2	5.0	2746	143	91.5	4.8
October	»	56.7	37	1.83	1.2	1664	101	53.7	3.3	1491	98	48.1	3.2
November	»	109.1	63	3.64	2.1	3330	144	111.0	4.8	2941	159	98.0	5.3
December	»	114.0	60	3.68	1.9	1991	127	64.2	4.1	2733	149	94.2	5.1
January	1884.	147.5	79	4.76	2.5	1364	91	44.0	2.9	1463	89	58.5	3.6
February	»	91.4	52	3.15	1.8	1299	81	44.8	2.8	1674	107	57.7	3.7
March	»	108.8	63	3.51	2.0	2078	123	71.7	4.2	1032	71	33.3	2.3
April	»	97.3	49	3.24	1.6	1754	97	58.5	3.2	610	44	20.3	1.5
May	»	35.3	21	1.14	0.7	1555	94	50.2	3.0	469	35	15.1	1.1
June	»	25.8	16	0.86	0.5	1615	89	53.8	3.0	656	46	21.9	1.5
July	»	53.6	31	1.73	1.0	2673	138	86.2	4.5	1429	96	46.1	3.1
August	»	26.2	16	0.90	0.6	1041	64	35.9	2.2	750	52	30.0	2.1
September	»	100.7	56	3.60	2.0	2006	102	66.9	3.4	2251	117	125.1	6.5
October	»	94.1	56	3.04	1.8	2176	111	70.2	3.6	2199	130	70.9	4.2
November	»	61.1	34	2.04	1.1	2522	119	84.1	4.0	2224	131	89.0	5.2
December	»	89.6	54	2.89	1.7	2326	115	83.1	4.1	2501	134	100.0	5.4
January	1885.	135.5	80	4.37	2.6	2037	108	70.2	3.7	2035	126	72.7	4.5
February	»	160.4	89	5.73	3.2	2041	109	85.0	4.5	2688	152	99.6	5.6
March	»	28.8	17	0.93	0.5	2881	147	92.9	4.7	1966	113	63.4	3.6
April	»	34.2	24	1.14	0.8	2585	142	86.2	4.7	2079	120	69.3	4.0
May	»	70.2	40	2.26	1.3	3415	153	110.2	4.9	2343	138	75.6	4.5
June	»	16.5	9	0.55	0.3	1952	100	65.1	3.3	1345	81	44.8	2.8
July	»	11.9	8	0.38	0.3	1426	88	46.0	2.8	1259	80	40.6	2.6
August	»	22.5	15	0.73	0.5	1917	106	61.8	3.4	2295	142	74.0	4.6
September	»	93.5	54	3.12	1.8	2462	142	82.1	4.7	2630	160	87.7	5.3
October	»	68.9	41	2.22	1.4	1674	105	54.0	3.4	3064	180	98.8	5.8
November	»	36.0	23	1.20	0.8	1543	88	51.4	2.9	2525	142	84.2	4.7
December	»	67.1	37	2.16	1.2	1234	83	39.8	2.7	2425	152	78.2	4.9
Total amount.		2646.3	1511	89.54	51.0	84916	4311	28793	145.4	66656	3923	2348.3	137.9
Means.				2.356	1.34			75.77	3.83			61.80	3.63

TABLE 38. Average value of one disturbance, positive and negative taken conjointly.

		January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
Declination	1882	—	—	—	—	—	—	1.82	1.44	1.65	1.73	2.15	—
	1883	—	—	—	1.73	1.67	1.57	1.65	1.72	1.94	1.53	1.73	1.90
	1884	1.87	1.76	1.73	1.99	1.68	1.61	1.73	1.64	1.80	1.68	1.80	1.66
	1885	1.69	1.80	1.69	1.43	1.76	1.83	1.49	1.50	1.73	1.57	1.57	1.81
Horizontal Force	1882	—	—	—	—	—	—	17.0	18.7	14.8	23.1	33.4	—
	1883	—	—	—	23.5	18.4	17.9	19.7	21.2	25.4	16.5	23.1	15.7
	1884	15.0	16.0	16.9	18.1	16.5	18.1	19.4	16.3	19.7	19.6	21.2	20.2
	1885	18.9	18.7	19.6	18.2	22.3	19.5	16.2	18.1	17.3	15.9	17.5	14.9
Vertical Force	1882	—	—	—	—	—	—	16.0	13.8	13.3	19.1	24.3	—
	1883	—	—	—	14.2	14.4	17.9	15.1	14.9	19.2	15.2	18.5	18.3
	1884	16.4	15.6	14.5	13.9	13.4	14.3	14.9	14.4	19.2	16.9	17.0	18.8
	1885	16.2	17.7	17.4	17.3	17.0	16.0	15.7	16.2	16.4	17.0	17.8	16.0

TABLE 39. Aggregate values and numbers of disturbances at the different hours of the day; 1882–1885. — Declination, in minutes of arc.

		Aggregate values			Numbers			Ratio of values to mean hourly value			Ratio of numbers to mean hourly number		
		Positive	Negative	Positive and Negative	Positive	Negative	Positive and Negative	Positive	Negative	Positive and Negative	Positive	Negative	Positive and Negative
1 a. m.		3.4	18.6	22.0	2	11	13	0.06	0.34	0.20	0.06	0.35	0.21
2		4.0	19.3	23.3	2	11	13	0.07	0.36	0.21	0.06	0.35	0.21
3		1.3	13.3	14.6	1	7	8	0.02	0.25	0.13	0.03	0.23	0.13
4		7.5	13.4	20.9	5	8	13	0.13	0.25	0.19	0.16	0.26	0.21
5		22.3	13.7	36.0	14	9	23	0.40	0.25	0.33	0.44	0.29	0.37
6		61.7	59.3	121.0	34	35	69	1.10	1.09	1.10	1.06	1.13	1.10
7		149.6	104.0	253.6	85	63	148	2.67	1.92	2.30	2.66	2.03	2.35
8		138.0	61.6	199.6	79	39	118	2.46	1.14	1.81	2.47	1.26	1.87
9		117.2	60.8	178.0	70	37	107	2.09	1.12	1.61	2.19	1.19	1.70
10		147.6	77.4	225.0	77	44	121	2.63	1.43	2.04	2.41	1.42	1.92
11		183.9	134.5	318.4	101	74	175	3.28	2.48	2.89	3.16	2.39	2.78
12		170.9	201.0	371.9	100	106	206	3.05	3.71	3.37	3.13	3.42	3.27
1 p. m.		122.7	183.6	306.3	72	94	166	2.19	3.39	2.78	2.25	3.03	2.63
2		63.0	123.3	186.3	42	69	111	1.12	2.27	1.69	1.31	2.23	1.76
3		25.5	51.8	77.3	17	33	50	0.45	0.96	0.70	0.53	1.06	0.79
4		32.5	31.6	64.1	22	20	42	0.58	0.58	0.58	0.69	0.65	0.67
5		24.5	21.5	46.0	15	13	28	0.44	0.40	0.42	0.47	0.42	0.44
6		21.6	18.7	40.3	12	6	18	0.39	0.35	0.37	0.38	0.19	0.29
7		14.7	17.4	32.1	9	10	19	0.26	0.32	0.29	0.28	0.32	0.30
8		17.8	11.5	29.3	10	7	17	0.32	0.21	0.27	0.31	0.23	0.27
9		10.9	16.1	27.0	6	9	15	0.19	0.30	0.24	0.19	0.29	0.24
10		1.6	11.6	13.2	1	7	8	0.03	0.21	0.12	0.03	0.23	0.13
11		1.3	15.8	17.1	1	9	10	0.02	0.29	0.16	0.03	0.29	0.16
12		2.9	20.1	23.0	2	11	13	0.05	0.37	0.21	0.06	0.35	0.21
Hourly means.		56.1	54.2	110.3	32	31	63						

TABLE 40. Aggregate values and numbers of disturbances at the different hours of the day. 1882-1885 — Horizontal Force. — Unity = 0.00001 c. g. s.

	Aggregate values			Numbers			Ratio of values to mean hourly value			Ratio of numbers to mean hourly numbers		
	Positive	Negative	Positive and Negative	Positive	Negative	Positive and Negative	Positive	Negative	Positive and Negative	Positive	Negative	Positive and Negative
1 a. m.	1799	963	2762	95	52	147	1.06	0.52	0.78	1.06	0.58	0.82
2	2113	574	2687	109	32	141	1.25	0.31	0.76	1.21	0.36	0.78
3	2312	543	2855	120	37	157	1.37	0.29	0.81	1.33	0.42	0.87
4	2208	460	2668	105	31	136	1.31	0.25	0.75	1.17	0.35	0.76
5	2672	365	3037	124	26	150	1.58	0.20	0.86	1.38	0.29	0.83
6	2475	449	2924	116	28	144	1.46	0.24	0.83	1.29	0.31	0.80
7	2382	890	3272	116	59	175	1.41	0.48	0.92	1.29	0.66	0.97
8	1844	1203	3047	98	75	173	1.09	0.65	0.86	1.09	0.84	0.96
9	1376	1630	3006	85	94	179	0.81	0.88	0.85	0.94	1.06	0.99
10	825	2014	2839	52	96	148	0.49	1.09	0.80	0.58	1.08	0.82
11	724	2940	3664	52	132	184	0.43	1.59	1.04	0.58	1.48	1.02
12	733	3031	3764	50	134	184	0.43	1.64	1.06	0.56	1.51	1.02
1 p. m.	1247	3765	5012	82	166	248	0.74	2.04	1.42	0.91	1.87	1.38
2	1680	3828	5508	102	174	276	0.99	2.07	1.56	1.13	1.96	1.53
3	2073	3385	5458	123	158	281	1.23	1.83	1.54	1.37	1.78	1.56
4	2108	3095	5203	103	152	255	1.25	1.67	1.47	1.14	1.71	1.42
5	1955	2643	4598	89	122	211	1.16	1.43	1.30	0.99	1.37	1.17
6	1403	2088	3491	75	99	174	0.83	1.13	0.99	0.83	1.11	0.97
7	1231	2049	3280	73	91	164	0.73	1.11	0.93	0.81	1.02	0.91
8	1302	2090	3392	73	88	161	0.77	1.13	0.96	0.81	0.99	0.89
9	1376	1910	3286	71	86	157	0.81	1.03	0.93	0.79	0.97	0.87
10	1248	1682	2930	70	83	153	0.74	0.91	0.83	0.78	0.93	0.85
11	1507	1491	2998	83	73	156	0.89	0.81	0.85	0.92	0.82	0.87
12	1980	1255	3235	98	59	157	1.17	0.68	0.91	1.09	0.66	0.87
Hourly means.	1691	1848	3538	90	89	180						

TABLE 41. Aggregate values and numbers of disturbances at the different hours of the day. 1882-1885. — Vertical Force. — Unity = 0.00001 c. g. s.

	Aggregate values			Numbers			Ratio of values to mean hourly value			Ratios of numbers to mean hourly numbers		
	Positive	Negative	Positive and Negative	Positive	Negative	Positive and Negative	Positive	Negative	Positive and Negative	Positive	Negative	Positive and Negative
1 a. m.	436	695	1131	27	38	65	0.30	0.53	0.41	0.33	0.48	0.40
2	357	891	1248	22	53	75	0.24	0.68	0.45	0.27	0.66	0.46
3	431	954	1385	32	60	92	0.29	0.73	0.50	0.39	0.75	0.56
4	645	1036	1681	46	65	111	0.44	0.79	0.61	0.55	0.81	0.68
5	884	1329	2213	57	81	138	0.60	1.01	0.80	0.69	1.01	0.85
6	1418	1664	3082	94	97	191	0.97	1.27	1.11	1.13	1.21	1.17
7	2032	2208	4240	125	131	256	1.39	1.68	1.53	1.51	1.64	1.57
8	2950	2721	5671	162	168	330	2.01	2.08	2.04	1.95	2.10	2.02
9	2801	2303	5104	152	140	292	1.91	1.76	1.84	1.83	1.75	1.79
10	2321	1598	3919	132	102	234	1.58	1.22	1.41	1.59	1.28	1.44
11	1977	1412	3389	112	95	207	1.35	1.08	1.22	1.35	1.19	1.27
12	1994	1459	3453	114	101	215	1.36	1.11	1.24	1.37	1.26	1.32
1 p. m.	2813	1905	4718	154	121	275	1.92	1.45	1.70	1.86	1.51	1.69
2	2951	2213	5164	154	140	294	2.01	1.69	1.86	1.86	1.75	1.80
3	2734	2167	4901	152	131	283	1.86	1.65	1.76	1.83	1.64	1.74
4	1936	1992	3928	120	120	240	1.32	1.52	1.41	1.45	1.50	1.47
5	1263	1254	2517	75	65	140	0.86	0.96	0.91	0.90	0.81	0.86
6	821	714	1535	45	43	88	0.56	0.54	0.55	0.54	0.54	0.54
7	900	429	1329	40	31	71	0.61	0.33	0.48	0.48	0.39	0.44
8	1019	386	1405	43	23	66	0.70	0.29	0.51	0.52	0.29	0.40
9	780	386	1166	42	25	67	0.53	0.29	0.42	0.51	0.31	0.41
10	661	430	1091	34	29	63	0.45	0.33	0.39	0.41	0.36	0.39
11	664	517	1181	38	26	64	0.45	0.39	0.43	0.46	0.33	0.39
12	405	800	1205	25	41	66	0.28	0.61	0.43	0.30	0.51	0.40
Hourly means.	1466	1311	2777	83	80	163						

ERRATA.

Page	12.						for	observations,	read:	hourly	observations.
»	14.	September	7,	2 a. m.			»	4	»	0	
»	22.	November	29,	9 p. m.			»	4	»	— 4	
»	24.	December	2,	5 a. m.			»	3	»	— 3	
»	25.	»	10,	5 a. m.			»	8	»	— 8	
»	32.	March	25,	11 a. m.			»	7.6	»	6.6	
»	34.	»	6,	11 a. m.			»	199	»	99	
»	35.	May,	Monthly means				»	55.85	»	5.85	
»	39.	»	15,	8 p. m.			»	389	»	289	
»	39.	»	22,	5 p. m.			»	241	»	341	
»	49.	August	23,	6 a. m.			»	—	»	196	
»	50.	September	2,	5 p. m.			»	4.1	»	6.1	
»	50.	»	30,	3 p. m.			»	5.1	»	6.1	
»	53.	October,	Monthly means				»	43.5	»	4.35	
»	58.	November	3,	5 p. m.			»	325	»	425	
»	62.	January	29,	7 p. m.			»	2	»	— 2	
»	65.	February	4,	1 p. m.			»	—16	»	— 6	
»	67.	»	12,	10 a. m.			»	10	»	—10	
»	69.	March	8,	3 a. m.			»	—12	»	12	
»	69.	»	9,	3 a. m.			»	7	»	— 7	
»	72.	April	29,	8 a. m.			»	— 3	»	3	
»	74.	May	16,	11 p. m.			»	— 2	»	2	
»	78.	June	25,	5 a. m.			»	3	»	— 3	
»	78.	»	28,	10 a. m.			»	10	»	—10	
»	83.	August	30,	4 a. m.			»	—	»	— 2	
»	92.	November	11,	1 a. m.			»	4	»	— 4	
»	96.	December	14,	11 a. m.			»	18	»	—18	
»	104.	March,	Monthly means				»	141.3	»	14.13	
»	111.	May	2,	12 p. m.			»	319	»	311	
»	111.	»	3,	12 p. m.			»	311	»	319	
»	124.	September,	Monthly means				»	41.81	»	418.1	
»	125.	October,	Monthly means				»	126.3	»	12.63	
»	136.	January	6,	7 a. m.			»	—06	»	— 6	
»	136.	»	7,	7 a. m.			»	—02	»	— 2	
»	138.	February	5,	4 a. m.			»	6	»	— 6	
»	141.	March	11,	8 a. m.			»	12	»	—12	
»	143.	April	1,	3 a. m.			»	6	»	— 6	
»	152.	July	9,	5 a. m.			»	3	»	— 3	
»	155.	August	15,	6 p. m.			»	— 2	»	2	
»	160.	September	22,	7 a. m.			»	12	»	—12	
»	161.	October	29,	6 a. m.			»	5	»	— 5	
»	161.	»	17,	4 p. m.			»	2	»	— 2	
»	168.	December	31,	5 a. m.			»	13	»	—13	
»	168.	»	3,	5 p. m.			»	2	»	— 2	
»	172.	Table 1,	September—October 1885.	Vertical Force,			»		w. d.	w. d.	R.
»	172.	» 2,	S. Inclination	1884. December for	1°7'.59		»		»	1°7'.28	
»	172.	» 2,	»	1885. »	1°3'.28		»		»	1°3'.36	
»	172.	» 2,	T. Force	1884. August	» 419		»		»	429	
»	175.	» 3,	Total amount of variation, Year	»	2901		»		»	2907	
»	180.	» 13,	»	»	» May	» 3649	»		»	3639	

OBSERVATIONS

MADE AT THE

MAGNETICAL AND METEOROLOGICAL OBSERVATORY

AT

BATAVIA.

PUBLISHED BY ORDER OF THE GOVERNMENT OF NETHERLANDS INDIA,
UNDER THE DIRECTION OF
D. J. P. VAN DER STOK.

VOL. VIII. 1883, 1884 and 1885.

BATAVIA

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ERRATA.

Page 75, January....	12,	1 p. m.	for	2.7	read	0.7
» 76, December..	22,	4 a. m.	»	24.4	»	24.2
» 92, January....	17,	2 p. m.	»	717	»	771
» 92, » 	20,	2 p. m.	»	771	»	717
» 151, November...	4,	10 a. m.	»	55.9	»	85.9
» 246, December..	25,	mean,	»	865	»	875
» 246, » 	26,	mean,	»	872	»	862

METEOROLOGICAL OBSERVATIONS.

BATAVIA.

1883, 1884 and 1885.

BAROMETRIC PRESSURE.

BAROMETER AT 0° C = 750 MILLIMETRES + THE NUMBERS IN THE TABLE.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
JANUARY.	1	9.32	8.90	8.72	8.81	8.98	9.50	9.74	10.06	10.10	9.92	9.34	8.50	—
	2	9.32	9.16	9.01	8.99	9.38	9.80	10.19	10.69	10.63	10.51	10.03	9.58	—
	3	10.65	10.30	10.23	10.29	10.53	11.20	12.24	12.34	12.38	12.15	12.06	11.37	—
	4	11.98	11.69	11.35	11.38	11.95	12.53	13.05	13.54	13.49	13.38	12.96	12.52	—
	5	11.89	10.95	10.77	10.80	11.50	11.85	12.43	12.88	12.91	12.68	12.18	11.63	—
	6	10.91	10.63	10.14	10.30	10.63	10.90	11.49	11.78	11.74	11.54	11.12	10.67	—
	7	10.35	10.07	9.79	9.79	9.89	10.49	10.85	11.30	11.68	11.55	11.22	10.85	—
	8	10.62	9.83	10.10	10.10	10.46	10.88	11.28	11.66	11.75	11.73	11.44	10.98	—
	9	10.44	10.14	9.80	10.12	10.14	10.90	11.23	11.64	11.81	11.79	11.16	10.80	—
	10	10.20	10.16	9.95	9.85	10.65	10.88	11.33	11.91	11.70	11.55	11.18	10.74	—
	11	9.56	9.25	9.16	9.00	9.02	9.75	10.31	10.69	10.79	10.66	10.19	9.88	—
	12	8.77	8.35	7.92	7.90	7.90	8.70	9.60	9.12	9.30	9.53	9.34	9.11	—
	13	9.30	8.71	8.56	8.90	9.46	9.63	10.05	10.48	10.30	9.85	9.79	9.20	—
	14	9.58	9.43	9.06	8.99	9.17	9.56	10.04	10.08	10.25	9.92	9.57	9.11	—
	15	8.45	8.21	7.84	7.42	8.10	9.01	9.80	10.19	10.48	10.51	9.57	9.11	—
	16	8.23	7.96	7.67	7.48	7.70	7.95	8.76	9.08	9.31	9.29	8.91	8.35	—
	17	8.02	7.79	7.60	7.71	7.86	8.26	8.76	9.02	9.47	9.28	8.86	8.08	—
	18	7.49	7.20	7.56	7.62	7.82	8.22	8.75	9.15	9.41	9.19	8.97	8.50	—
	19	8.22	7.67	7.26	7.06	7.36	7.87	8.47	9.00	9.23	9.12	9.07	8.67	—
	20	8.59	8.06	7.86	8.02	8.27	8.68	9.36	9.90	9.95	9.80	9.52	9.00	—
	21	8.72	8.30	8.01	7.95	8.51	8.97	9.61	9.86	10.13	9.75	9.26	8.71	—
	22	8.37	7.83	7.80	7.65	7.96	8.17	8.93	9.37	9.55	9.48	9.20	8.77	—
	23	8.87	8.15	7.85	7.82	8.04	8.45	8.65	9.12	9.33	9.39	9.05	8.80	—
	24	8.52	7.65	7.76	7.37	7.22	7.54	7.81	8.09	8.39	8.54	8.09	7.63	—
	25	7.53	7.03	6.75	6.56	6.58	6.99	7.76	8.43	8.80	8.87	8.71	8.23	—
	26	8.45	7.95	7.57	7.58	7.90	8.20	9.08	9.46	9.71	9.75	9.18	9.18	—
	27	8.60	8.01	7.87	7.69	7.85	8.03	8.22	8.65	8.80	8.62	8.40	7.90	—
	28	7.52	7.22	7.19	7.25	7.35	7.86	8.08	8.46	8.61	8.22	7.89	7.43	—
	29	6.97	6.49	6.31	6.32	6.33	6.70	7.55	7.58	7.81	7.90	7.91	7.58	—
	30	6.52	6.08	5.80	6.75	6.01	6.22	6.86	6.85	6.95	7.04	6.73	6.09	—
	31	6.66	6.21	5.96	5.51	5.66	5.99	6.58	7.08	7.31	7.20	6.91	6.33	—
Hourly Means.		8.99	8.56	8.36	8.35	8.59	9.02	9.58	9.92	10.07	9.96	9.62	9.14	—
Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
JANUARY.	1	7.93	7.13	6.60	6.73	6.91	7.58	8.63	9.01	9.63	9.93	9.93	9.58	8.81
	2	8.62	8.30	7.86	7.87	8.31	9.01	9.66	10.41	11.02	11.36	11.37	11.08	9.67
	3	10.93	10.12	9.52	9.71	9.86	10.54	11.20	11.60	11.92	12.19	12.19	12.10	11.15
	4	11.98	11.03	10.36	10.37	10.48	11.11	11.56	12.29	12.79	12.80	12.68	12.35	12.07
	5	10.88	9.96	9.39	8.98	9.72	10.18	10.84	11.42	11.69	11.83	11.80	11.59	11.28
	6	9.88	9.17	8.58	8.58	8.78	9.31	10.02	10.54	11.40	11.40	11.19	10.80	10.48
	7	10.32	9.78	9.39	9.14	9.46	9.82	10.20	10.70	11.25	11.63	11.35	11.00	10.49
	8	10.26	9.73	9.17	9.12	9.12	9.53	10.20	10.74	11.37	11.43	11.08	10.89	10.56
	9	10.17	9.25	8.71	8.63	8.89	9.52	9.95	10.12	10.75	10.77	10.84	10.74	10.35
	10	10.05	9.34	8.78	8.53	8.51	8.75	9.20	9.72	9.98	10.45	10.41	10.29	10.17
	11	9.34	8.70	7.39	7.58	7.61	7.98	8.52	9.29	9.37	9.54	9.60	9.36	9.27
	12	8.81	7.70	7.21	7.21	7.90	8.43	8.96	9.38	9.45	9.30	9.49	9.76	8.71
	13	8.68	7.75	7.16	6.96	7.65	7.98	8.39	8.97	9.58	9.89	10.00	9.82	9.04
	14	8.45	7.53	7.07	6.85	7.13	7.75	8.14	8.46	8.79	9.00	9.24	8.77	8.83
	15	8.74	8.13	7.40	6.86	6.84	7.33	7.86	8.46	9.05	9.45	9.35	8.82	8.62
	16	7.58	6.73	6.24	6.08	6.48	6.96	7.89	8.31	8.75	9.00	8.80	8.36	7.99
	17	7.48	6.66	6.16	5.76	5.66	6.13	6.75	7.75	8.37	8.54	8.35	8.32	7.78
	18	7.89	6.95	6.34	6.12	6.40	6.91	7.74	7.96	8.44	9.38	9.10	8.46	7.98
	19	8.20	7.55	7.05	6.74	6.84	7.35	7.79	8.67	9.25	9.53	9.53	8.97	8.19
	20	8.31	7.53	6.86	6.76	6.98	7.33	7.70	8.34	8.76	9.05	9.32	9.07	8.46
	21	8.26	7.50	6.68	6.51	6.64	7.03	7.59	8.12	8.71	8.95	8.97	8.72	8.39
	22	8.14	7.48	7.13	6.79	7.08	7.49	7.94	8.46	8.90	9.25	9.53	8.96	8.34
	23	8.17	7.34	6.42	6.01	6.38	6.87	7.63	8.34	8.88	9.10	8.89	8.76	8.18
	24	6.78	6.33	6.09	6.43	6.44	6.82	6.91	7.11	7.42	7.65	7.76	7.37	7.41
	25	8.00	7.44	7.01	6.85	7.01	7.47	8.05	8.32	8.85	9.17	9.32	9.18	7.87
	26	8.63	8.10	7.45	7.31	7.23	7.35	7.88	8.55	9.10	9.44	9.45	9.24	8.50
	27	7.22	6.67	5.95	5.80	6.97	7.73	7.85	8.00	8.57	8.85	8.76	8.22	7.88
	28	6.65	5.89	5.49	5.59	5.83	5.92	6.76	7.47	7.70	7.91	7.86	7.42	7.23
	29	6.93	7.11	5.75	5.60	5.40	6.25	6.52	7.04	7.29	7.46	7.34	6.90	6.88
	30	5.48	4.47	3.81	4.30	4.93	5.55	6.07	6.56	6.82	7.20	7.26	7.06	6.14
	31	5.98	5.48	4.93	4.85	5.11	5.65	5.97	6.61	6.97	7.19	7.25	6.86	6.26
Hourly Means.		8.54	7.83	7.22	7.12	7.37	7.86	8.40	8.93	9.38	9.63	9.61	9.32	8.81

STANDARD THERMOMETER.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
JANUARY.	1	74.2	73.9	73.0	72.4	71.8	71.0	72.0	75.0	78.7	82.3	85.1	88.3	—
	2	76.0	75.2	74.4	74.8	74.1	74.0	74.4	77.0	80.3	84.0	86.9	88.8	—
	3	76.2	75.7	75.6	75.0	74.0	73.8	74.0	77.8	80.0	82.2	81.6	82.5	—
	4	76.4	76.4	76.0	75.2	74.8	74.8	75.3	77.7	79.8	82.0	81.0	81.2	—
	5	75.6	75.0	74.2	73.4	72.6	73.0	73.7	74.9	77.0	79.8	81.4	82.2	—
	6	74.8	74.3	74.2	73.8	73.2	72.4	73.0	74.3	77.0	79.0	79.2	80.1	—
	7	75.3	75.0	75.0	75.7	76.0	76.0	76.0	77.2	78.1	78.7	79.7	80.8	—
	8	75.5	75.3	73.8	73.6	73.6	73.5	73.8	74.3	77.0	78.3	81.0	82.0	—
	9	77.0	76.4	75.6	75.2	74.9	74.4	74.4	73.8	72.0	73.4	75.6	77.0	—
	10	75.6	75.2	75.0	74.4	73.5	72.4	73.0	73.4	74.4	75.4	76.4	79.8	—
	11	75.3	74.8	73.0	72.1	71.8	71.8	72.3	74.0	76.3	78.8	80.5	79.1	—
	12	76.0	74.5	74.7	74.7	74.6	74.6	74.6	75.0	75.8	77.5	78.6	79.0	—
	13	75.4	75.0	74.6	73.4	73.0	73.0	73.3	74.0	75.8	78.0	79.4	80.6	—
	14	76.4	76.0	75.4	74.6	74.2	74.0	74.7	77.0	78.8	81.5	81.1	82.0	—
	15	77.5	75.0	74.7	74.5	74.5	74.5	74.4	74.4	74.7	75.2	76.6	78.9	—
	16	74.0	74.0	73.7	73.7	73.7	74.0	74.1	75.9	77.9	78.3	78.5	79.7	—
	17	75.2	75.0	74.8	75.0	75.0	75.8	76.0	77.6	78.7	77.0	79.8	80.9	—
	18	74.1	74.0	73.8	73.6	73.5	74.0	74.0	75.1	75.4	77.8	78.0	78.3	—
	19	73.7	73.7	74.0	73.9	73.7	73.4	74.0	75.0	76.0	78.3	79.0	80.4	—
	20	75.4	75.2	75.2	75.2	74.0	73.6	74.0	75.0	77.4	78.0	77.6	79.2	—
	21	74.0	73.0	72.3	72.8	73.0	72.8	72.6	73.0	74.5	76.6	79.1	80.5	—
	22	75.2	74.8	74.6	74.4	74.1	74.0	74.0	75.0	76.0	78.8	79.4	79.2	—
	23	76.4	76.0	75.6	75.0	75.0	75.0	75.2	77.7	79.0	77.8	79.8	79.9	—
	24	75.5	75.4	75.3	75.4	75.1	75.0	75.2	77.6	78.5	79.5	80.6	81.6	—
	25	73.5	73.2	73.0	73.0	72.6	72.4	72.6	73.9	74.4	74.6	74.6	76.1	—
	26	74.0	74.0	73.6	73.2	73.0	73.0	73.3	75.0	77.6	79.6	80.5	82.0	—
	27	76.1	75.6	75.0	74.8	74.0	73.8	74.1	76.8	79.8	81.7	83.1	83.3	—
	28	74.7	74.6	74.2	74.0	73.6	73.6	74.4	76.6	78.9	80.3	83.0	84.6	—
	29	75.6	75.0	74.6	74.7	74.3	74.1	74.6	76.0	78.5	81.0	79.0	78.1	—
	30	74.7	74.4	74.2	74.0	73.6	73.5	74.3	76.6	79.9	81.9	83.0	85.0	—
	31	75.2	75.2	75.2	75.0	74.7	74.3	74.2	75.1	77.6	80.2	81.7	82.6	—
Hourly Means.		75.31	74.86	74.46	74.21	73.85	73.73	74.05	75.54	77.28	78.95	80.03	81.09	—
Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
JANUARY.	1	90.6	91.2	90.6	90.0	88.7	85.9	83.6	81.8	80.1	78.7	77.8	77.3	80.58
	2	89.6	88.7	86.2	86.2	85.5	84.8	83.4	81.0	80.0	78.9	77.5	76.7	80.77
	3	81.1	79.7	80.6	79.7	80.6	79.7	79.0	79.0	78.0	77.9	77.5	76.8	78.25
	4	81.6	81.2	81.0	81.9	81.5	80.9	79.6	78.2	78.1	77.8	77.0	76.2	78.57
	5	82.7	83.6	83.0	82.2	80.6	80.2	77.9	77.0	76.5	76.3	76.0	75.0	77.66
	6	79.4	80.6	81.4	82.0	81.0	80.0	79.0	79.0	76.8	76.0	75.8	76.0	77.18
	7	81.6	83.0	82.1	81.5	81.2	80.4	79.4	77.6	76.7	76.6	76.4	76.2	78.18
	8	82.3	82.9	82.1	82.0	81.2	80.6	79.3	78.3	77.6	77.5	77.0	76.4	77.87
	9	79.0	81.2	80.7	80.0	79.7	78.8	77.9	77.2	77.2	77.0	76.6	76.1	76.71
	10	80.8	82.2	81.2	80.5	80.2	79.7	78.5	77.4	77.0	76.0	75.8	75.5	76.80
	11	78.2	78.9	79.5	79.6	80.0	79.6	78.0	77.2	76.8	76.3	76.3	76.2	76.52
	12	78.0	80.5	80.6	81.6	80.5	79.1	78.0	77.0	76.4	76.1	75.6	75.4	77.02
	13	81.0	81.7	82.1	82.3	81.0	80.2	78.8	78.0	77.6	77.2	76.8	76.0	77.43
	14	82.0	83.0	82.6	81.5	80.8	80.3	79.8	79.0	78.6	78.6	78.2	77.8	78.66
	15	79.6	80.0	80.1	80.0	79.2	79.0	77.9	76.7	75.9	75.4	74.9	74.5	76.59
	16	81.4	82.4	82.8	82.4	82.5	81.3	79.9	78.8	77.8	77.0	76.0	76.0	77.74
	17	80.1	81.1	82.0	81.5	80.7	80.0	79.0	78.4	78.0	78.0	74.8	74.6	77.88
	18	79.8	80.9	80.9	80.7	80.0	79.2	77.6	74.2	74.2	74.0	74.0	73.8	76.29
	19	79.8	80.0	79.5	79.9	79.7	79.0	78.0	77.3	77.1	76.8	76.2	76.0	76.85
	20	79.5	80.4	80.5	80.0	80.0	79.0	78.5	78.0	77.3	76.9	76.8	76.5	77.22
	21	81.0	80.5	81.3	80.7	80.5	79.5	78.0	76.9	76.7	76.2	76.0	75.7	76.55
	22	82.3	80.5	81.3	80.1	80.6	80.1	78.9	78.3	78.2	79.1	78.2	77.4	77.69
	23	81.0	83.0	82.6	82.1	81.2	80.2	79.6	79.0	78.6	78.3	76.5	76.3	78.37
	24	82.7	80.5	80.5	76.8	75.2	74.2	74.5	74.3	74.3	74.0	73.9	73.7	76.64
	25	77.1	78.3	78.5	78.3	78.2	78.2	76.0	74.6	75.9	75.3	75.0	74.9	75.18
	26	82.6	82.4	81.6	82.0	81.0	80.4	79.0	78.0	77.3	77.3	76.9	76.5	77.66
	27	83.3	84.6	84.4	83.3	80.6	76.6	75.3	75.0	75.4	75.0	74.9	74.8	77.97
	28	85.2	85.7	81.2	78.4	77.8	77.1	76.7	76.5	76.5	76.2	76.0	76.0	77.76
	29	80.0	78.0	77.0	78.2	79.7	79.1	77.9	77.1	76.6	76.0	75.8	75.1	76.92
	30	85.5	84.0	83.0	82.2	77.0	76.5	76.1	76.0	75.9	75.5	75.4	75.4	77.82
	31	76.0	77.3	79.5	79.2	78.5	77.7	77.1	76.9	76.7	76.8	76.5	76.0	77.05
Hourly Means.		81.45	81.87	81.63	81.19	80.48	79.59	78.46	77.54	77.09	76.47	76.20	75.83	77.56

RELATIVE HUMIDITY OF THE AIR.

SATURATION = 1000.

Mean Batavia Time.		1 A.M.	2	3	4	5	6	7	8	9	10	11	12	—
JANUARY.	1	845	845	868	885	901	918	892	814	696	613	527	454	—
	2	848	864	887	871	878	878	870	819	752	590	567	484	—
	3	841	864	856	872	904	903	870	844	803	715	770	751	—
	4	915	915	915	939	930	939	939	868	810	729	783	783	—
	5	923	930	930	929	937	937	921	913	875	787	726	715	—
	6	939	938	947	956	929	937	946	921	843	823	801	766	—
	7	966	965	965	898	890	890	890	851	798	800	757	716	—
	8	948	957	956	956	965	965	965	982	875	830	739	707	—
	9	932	932	948	947	947	939	947	965	955	982	974	924	—
	10	948	957	947	956	947	973	982	982	982	974	957	817	—
	11	948	939	894	928	936	936	928	896	850	831	811	886	—
	12	948	973	965	965	973	973	973	974	940	852	885	863	—
	13	948	956	947	973	973	973	982	965	915	852	816	797	—
	14	924	915	931	956	956	956	965	875	838	756	776	800	—
	15	949	939	913	921	947	956	956	956	965	966	948	854	—
	16	956	956	965	965	973	965	965	940	908	885	869	848	—
	17	905	939	956	947	947	889	906	876	878	941	848	783	—
	18	956	947	929	938	946	973	965	983	966	908	861	877	—
	19	965	965	965	965	947	938	947	930	890	791	763	730	—
	20	957	939	939	939	956	956	938	939	844	798	805	771	—
	21	938	946	955	946	964	973	973	973	965	932	801	753	—
	22	948	947	965	973	982	973	973	974	948	870	848	870	—
	23	915	923	923	947	956	956	966	868	863	908	802	795	—
	24	898	914	922	923	930	939	947	900	869	824	775	763	—
	25	965	964	964	955	973	964	964	956	956	956	956	966	—
	26	973	965	973	973	973	973	956	957	892	817	774	764	—
	27	957	948	956	956	947	938	938	883	803	757	718	712	—
	28	965	965	965	973	965	956	973	932	909	849	802	737	—
	29	923	922	939	922	930	939	947	923	869	812	893	933	—
	30	922	930	921	921	938	938	939	891	833	799	760	725	—
	31	974	974	974	966	973	965	965	947	892	818	777	759	—
Hourly Means.		934	937	938	941	946	945	945	919	877	831	803	778	—
Mean Batavia Time.		1 P.M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
JANUARY.	1	446	443	451	441	456	623	692	735	751	754	781	796	693
	2	510	567	649	617	646	676	704	746	795	815	820	842	737
	3	733	757	767	786	796	832	839	839	877	876	884	899	828
	4	770	769	754	749	762	789	824	845	845	860	891	906	843
	5	723	705	696	721	774	788	781	827	850	873	899	888	835
	6	771	732	726	700	739	780	815	815	899	931	940	948	856
	7	735	697	687	719	733	759	801	860	891	891	906	906	832
	8	722	710	708	721	755	811	863	885	917	925	916	916	862
	9	816	783	745	780	794	846	917	925	925	924	932	932	905
	10	790	715	755	753	788	809	877	917	924	940	940	948	899
	11	884	839	795	795	796	832	893	925	932	940	940	948	888
	12	861	774	789	784	819	832	893	907	916	923	948	957	904
	13	790	763	728	743	790	811	870	901	925	925	932	940	884
	14	771	738	751	783	811	825	848	886	909	918	933	942	865
	15	833	795	810	773	823	823	868	916	940	948	956	956	905
	16	791	758	724	750	751	798	855	885	901	907	906	890	880
	17	788	776	750	748	775	818	862	893	908	917	965	956	874
	18	802	760	775	767	803	839	867	947	956	947	947	947	900
	19	750	758	757	780	786	816	845	900	907	916	940	957	871
	20	757	738	723	743	758	785	814	861	900	916	932	948	861
	21	725	745	725	732	738	772	837	900	899	915	915	923	873
	22	737	804	755	795	782	810	854	885	877	831	853	867	880
	23	761	746	731	708	739	796	824	847	885	893	857	849	852
	24	766	811	826	866	897	938	947	956	956	956	956	956	893
	25	916	837	830	853	821	807	923	913	923	957	966	965	927
	26	773	722	749	749	790	788	817	893	925	932	941	940	877
	27	747	708	694	724	753	890	930	956	948	956	965	965	865
	28	732	680	761	853	908	916	924	940	932	932	923	915	892
	29	848	860	851	853	855	863	876	892	899	906	889	914	894
	30	691	735	732	771	916	932	918	948	948	957	966	966	876
	31	931	925	903	886	901	901	916	924	932	941	940	948	918
Hourly Means.		764	747	745	756	782	816	857	886	903	910	919	924	867

DIRECTION OF THE WIND.

Mean Batavia Time.	1 A. M.	2	3	4	5	6	7	8	9	10	11	12
JANUARY.	1	C	C	C	C	C	C	C	W	W	W	NW
	2	C	C	C	C	C	C	W	W	W	W	W
	3	C	C	C	C	C	NW	NW	NW	NW	NNW	NNW
	4	C	C	C	C	C	C	C	NNW	NW	NW	NNW
	5	C	C	C	C	C	C	C	C	NNW	NW	NNW
	6	C	C	C	C	C	C	C	NW	WNW	WNW	NNW
	7	C	C	NW	NNW	NNW	NNW	WNW	NW	NW	NW	NNW
	8	C	C	N	SW	C	C	C	WNW	NW	NNW	NNW
	9	NNE	NNW	C	C	C	C	C	NW	NW	C	NW
	10	C	NNW	NNW	NNW	NNE	NNE	N	C	N	N	NNW
	11	C	N	NNW	C	C	C	NNW	NNW	C	NNW	NNW
	12	N	C	C	C	C	N	N	N	N	N	N
	13	C	C	NW	N	NW	C	C	C	C	NW	NW
	14	C	C	C	C	C	C	C	C	C	NNW	NNW
	15	N	NNE	C	C	C	NNE	WNW	WNW	C	WNW	WNW
	16	C	C	C	C	NNW	C	C	NNW	NNW	NW	NNW
	17	C	C	C	N	N	NNW	C	NW	NW	WNW	NNW
	18	C	C	C	WSW	WSW	WNW	WNW	WNW	WNW	WNW	NW
	19	C	C	C	C	W	NW	NW	NW	NNW	NNW	NNW
	20	C	C	C	C	C	NNW	C	NNW	NNW	NW	NNW
	21	NW	NW	NW	NE	NE	NE	NE	C	NE	NNW	NNW
	22	N	N	N	C	C	C	C	N	N	NNW	NNW
	23	C	C	NNW	C	C	C	C	NNW	NNW	NNW	NNW
	24	NNW	C	C	C	C	C	C	NNW	NNW	NW	NNW
	25	C	C	C	C	C	C	C	WSW	WSW	WSW	WSW
	26	C	C	N	C	C	C	C	N	N	NNW	NNW
	27	C	C	C	C	C	N	N	N	N	N	NW
	28	C	C	C	C	C	C	SW	WSW	W	W	W
	29	C	C	C	C	C	SSW	C	SSW	SW	WSW	WNW
	30	C	C	C	C	C	C	WNW	WNW	W	WNW	NW
	31	C	C	C	C	C	C	C	SSW	SW	WNW	NW
Mean Batavia Time.	1 P. M.	2	3	4	5	6	7	8	9	10	11	12
JANUARY.	1	WNW	WNW	WNW	WNW	W	W	W	C	C	C	C
	2	NW	NW	NNW	NNW	NW	NW	C	C	C	C	C
	3	NNE	NNW	N	NW	NNW	NNW	C	C	C	C	C
	4	NW	NW	NNW	NNW	NNW	NNW	C	C	C	C	C
	5	N	N	NNW	N	NNW	NNW	C	C	C	NW	NW
	6	NNW	N	NNW	NNW	N	NNW	C	C	C	C	C
	7	NNW	NNW	NNW	N	NNW	N	C	C	C	C	N
	8	NNW	NNW	N	N	NNE	NNE	C	C	C	C	C
	9	NNW	NNW	NNW	NNW	NNW	C	C	C	C	C	C
	10	NNW	NNW	N	N	N	C	C	C	C	C	N
	11	NW	NW	NNW	NNW	N	C	C	C	C	C	C
	12	NNW	NNW	NW	NNW	NW	C	NW	NW	C	C	C
	13	NW	NNW	NNW	NNW	NNW	NNW	C	C	C	C	C
	14	N	N	N	N	NNW	N	C	C	C	C	C
	15	NW	NNW	NNW	NNW	NNW	NNW	C	C	C	C	C
	16	NNW	NNW	NNW	N	N	N	C	C	C	C	C
	17	NNW	NNW	N	NNW	NNW	NNW	C	C	C	NNW	WNW
	18	NNW	NNW	N	NNW	NNW	NNW	NNW	W	W	W	C
	19	NNW	NW	NNW	NNW	NNW	NNW	C	C	C	C	C
	20	NNW	NNW	N	N	N	N	C	C	C	C	N
	21	N	N	N	N	N	N	C	C	C	C	C
	22	NW	NNW	NNW	NNW	NNW	NNW	C	C	C	NNW	NNW
	23	NNW	NNW	NNW	NNW	NNW	NNW	C	C	C	C	NNW
	24	NNW	NNW	NW	W	WSW	WSW	C	WSW	C	C	C
	25	NW	NNW	NNW	NNW	NNW	NNW	C	NNE	N	C	C
	26	NNW	NNW	N	N	N	C	C	C	C	C	C
	27	NNW	NNW	N	NNW	W	SW	SW	C	C	C	C
	28	NW	NW	SW	C	C	C	C	C	C	C	C
	29	WNW	WNW	NNW	NNW	WNW	C	C	C	C	C	C
	30	NNW	NNW	NNW	NNW	SSW	C	C	C	C	C	C
	31	WNW	WNW	WNW	WNW	C	C	C	C	C	C	C

VELOCITY OF THE WIND IN KILOMETERS PER HOUR.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
J A N U A R Y.	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	3.2	4.0	8.0	—
	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	3.2	5.6	5.6	—
	3	0.0	0.0	0.0	0.0	0.0	0.8	1.6	1.6	8.9	7.2	12.1	15.3	—
	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	4.0	7.2	12.9	14.5	—
	5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	8.0	11.3	14.5	—
	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.6	4.0	5.6	8.0	—
	7	0.0	0.0	1.6	4.8	4.0	4.8	4.0	6.4	8.0	9.7	10.5	15.3	—
	8	0.0	0.0	4.0	0.8	0.0	0.0	0.0	7.2	9.7	13.7	13.7	13.7	—
	9	0.8	0.8	0.0	0.0	0.0	0.8	0.0	4.8	1.6	1.6	0.0	4.8	—
	10	0.0	0.8	1.6	0.8	4.0	0.8	0.8	2.4	0.0	0.8	1.6	8.0	—
	11	0.0	0.8	1.6	0.0	0.0	0.0	0.8	0.8	0.0	2.4	4.0	4.0	—
	12	1.6	0.0	0.0	0.0	0.0	0.8	4.0	1.6	1.6	2.4	5.6	8.9	—
	13	0.0	0.0	4.8	9.7	3.2	0.0	0.0	0.0	0.0	1.6	2.4	4.0	—
	14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	2.4	6.4	—
	15	0.8	2.4	0.0	0.0	0.0	2.4	2.4	0.8	0.0	0.8	5.6	4.0	—
	16	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.8	1.6	2.4	2.4	8.0	—
	17	0.0	0.0	0.0	0.8	1.6	2.4	0.0	2.4	3.2	5.6	8.9	10.5	—
	18	0.0	0.0	0.0	0.8	1.6	3.2	0.8	0.8	0.8	5.6	8.9	7.2	—
	19	0.0	0.0	0.0	0.0	0.8	2.4	1.6	5.6	8.0	16.9	15.3	14.5	—
	20	0.0	0.0	0.0	0.0	0.0	0.8	0.0	0.8	8.0	8.9	7.2	6.4	—
	21	3.2	1.6	1.6	3.2	0.8	0.8	0.8	0.8	0.0	5.6	12.1	11.3	—
	22	0.8	1.6	0.8	0.0	0.0	0.0	0.0	1.6	2.4	7.2	4.8	6.4	—
	23	0.0	0.0	0.8	0.0	0.0	0.0	0.0	1.6	2.4	2.4	4.0	5.6	—
	24	0.8	0.0	0.0	0.0	0.0	0.0	0.0	1.6	3.2	5.6	8.9	10.5	—
	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.6	1.6	1.6	3.2	—
	26	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.8	1.6	5.6	8.9	8.0	—
	27	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8	2.4	4.0	3.2	—
	28	0.0	0.0	0.0	0.0	0.0	0.0	0.8	3.2	4.8	6.4	7.2	4.8	—
	29	0.0	0.0	0.0	0.0	0.0	0.8	0.0	0.8	2.4	4.8	4.0	6.4	—
	30	0.0	0.0	0.0	0.0	0.0	0.0	0.8	2.4	4.0	5.6	5.6	6.4	—
	31	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	6.4	9.7	8.9	—
Hourly Means.		0.26	0.26	0.57	0.67	0.54	0.70	0.62	1.55	2.69	5.05	6.80	8.27	
Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
J A N U A R Y.	1	5.6	8.0	8.0	8.0	6.4	3.2	0.8	0.8	0.0	0.0	0.0	0.0	2.37
	2	8.0	8.9	9.7	9.7	6.4	0.8	0.0	0.0	0.0	0.0	0.0	0.0	2.55
	3	14.5	15.3	9.7	4.8	4.0	0.8	0.0	0.0	0.0	0.0	0.0	0.0	4.03
	4	12.1	10.5	12.9	8.9	4.8	1.6	0.0	0.0	0.0	0.0	0.0	0.0	3.76
	5	12.1	12.9	12.9	10.5	7.2	4.0	0.0	0.0	0.0	0.8	1.6	0.8	4.09
	6	4.8	8.9	13.7	10.5	9.7	4.8	0.8	0.8	1.6	0.0	0.0	0.0	3.15
	7	15.3	12.9	12.1	8.9	8.0	2.4	0.0	0.0	0.0	0.0	0.0	2.4	5.46
	8	11.3	10.5	10.5	6.4	4.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0	3.89
	9	10.5	12.9	10.5	4.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.28
	10	8.0	8.9	8.0	5.6	4.8	0.8	0.0	0.0	0.0	0.0	0.8	1.6	2.50
	11	1.6	3.2	4.8	3.2	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.27
	12	9.7	9.7	7.2	6.4	0.8	0.0	0.8	0.8	0.0	0.0	0.0	0.0	2.58
	13	4.0	7.2	6.4	4.0	2.4	0.8	0.0	0.0	0.0	0.0	0.0	0.0	2.10
	14	8.9	10.5	8.9	5.6	4.0	2.4	0.0	0.0	0.0	0.0	0.0	0.0	2.11
	15	3.2	4.8	3.2	2.4	2.4	1.6	0.0	0.0	0.0	0.0	0.0	0.0	1.53
	16	10.5	10.5	8.0	4.8	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0	2.14
	17	8.9	10.5	13.7	9.7	5.6	2.4	0.0	0.0	0.0	0.8	2.4	0.0	3.73
	18	11.3	11.3	8.9	6.4	2.4	0.8	2.4	3.2	5.6	4.0	0.8	0.0	3.62
	19	16.1	11.3	6.4	5.6	3.2	1.6	0.0	0.0	0.0	0.0	0.0	0.0	4.55
	20	8.9	10.5	10.5	10.5	8.0	1.6	0.0	0.0	0.0	0.0	0.0	1.6	3.49
	21	10.5	7.2	8.9	5.6	4.8	1.6	0.0	0.0	0.0	0.0	0.8	0.0	3.38
	22	8.0	7.2	5.6	4.0	4.0	0.8	0.0	0.0	0.0	4.8	4.8	1.6	2.77
	23	9.7	10.5	9.7	8.0	4.0	1.6	0.0	0.0	0.0	0.0	0.8	0.8	2.58
	24	12.9	12.1	8.0	4.8	3.2	2.4	0.0	0.8	0.0	0.0	0.0	0.0	3.12
	25	7.2	10.5	6.4	2.4	3.2	1.6	6.4	4.8	0.8	0.0	0.0	0.0	2.17
	26	9.7	9.7	6.4	3.2	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.35
	27	6.4	8.0	7.2	4.0	4.8	3.2	0.8	0.0	0.0	0.0	0.0	0.0	1.97
	28	8.4	4.8	8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.93
	29	6.0	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.40
	30	6.4	7.2	9.7	4.0	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.24
	31	3.2	0.8	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.48
Hourly Means.		8.83	8.99	8.36	5.67	3.82	1.37	0.39	0.36	0.26	0.34	0.39	0.28	2.79

CLOUDS.

CLEAR = 0. — OVERCAST = 10.

Mean Batavia Time.	1 A.M.	2	3	4	5	6	7	8	9	10	11	12	—	
JANUARY.	1	3	3	2	4	5	7	1	0	0	4	2	1	—
	2	2	2	9	6	3	7	4	3	6	6	4	3	—
	3	3	5	5	6	5	7	10	8	8	8	9	4	—
	4	9	9	5	6	9	10	9	8	7	9	9	9	—
	5	6	4	6	4	6	4	10	10	9	9	9	8	—
	6	10	10	10	10	10	10	2	4	1	4	8	6	—
	7	3	7	7	8	9	9	9	10	10	10	10	8	—
	8	10	9	10	10	10	10	10	10	9	9	6	7	—
	9	9	10	10	10	10	10	10	10	10	10	9	10	—
	10	9	10	10	10	10	10	10	10	10	10	9	10	—
	11	4	7	9	8	6	10	9	6	9	4	6	9	—
	12	7	10	10	10	10	10	10	10	10	10	10	10	—
	13	10	10	10	10	10	10	10	9	8	8	9	9	—
	14	8	6	3	4	3	3	6	5	6	6	7	7	—
	15	9	10	10	9	8	10	10	10	10	10	9	9	—
	16	1	1	2	4	4	6	8	2	9	10	8	7	—
	17	4	4	6	9	8	10	10	10	10	10	10	10	—
	18	10	10	10	10	10	10	10	10	10	10	9	10	—
	19	10	10	10	10	9	10	10	9	9	9	9	9	—
	20	10	10	6	6	6	9	10	10	10	10	10	10	—
	21	10	10	10	10	10	10	10	9	10	6	6	6	—
	22	10	10	10	10	10	10	10	10	9	7	9	9	—
	23	9	10	10	9	9	9	9	7	7	10	9	9	—
	24	10	10	9	10	6	9	7	8	9	9	7	7	—
	25	6	5	6	4	6	6	10	10	10	10	10	10	—
	26	10	10	9	10	10	10	10	6	4	6	4	9	—
	27	8	3	3	7	6	7	9	7	6	7	7	8	—
	28	6	5	5	5	4	7	1	8	6	6	8	9	—
	29	6	4	3	3	1	2	7	7	9	8	10	9	—
	30	9	6	7	6	7	6	5	5	6	7	6	5	—
	31	10	10	10	10	10	10	6	6	6	4	4	7	—
Hourly Means.	7.5	7.4	7.5	7.7	7.4	8.3	8.1	7.6	7.9	7.9	7.8	7.9		
Mean Batavia Time.	1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.	
JANUARY.	1	1	2	3	4	5	7	4	3	4	5	4	3.3	
	2	2	4	4	6	7	9	7	6	5	3	2	4	4.8
	3	8	9	7	7	7	9	6	6	9	6	8	6	6.9
	4	9	10	10	8	7	7	6	4	9	7	5	4	7.7
	5	7	5	6	6	7	8	6	8	2	9	10	10	7.1
	6	9	7	6	4	3	4	4	5	10	9	9	10	6.9
	7	4	2	6	4	4	1	2	1	0	5	8	6	6.0
	8	7	7	7	6	8	7	6	9	9	8	6	4	8.1
	9	10	9	9	10	10	10	10	10	10	10	10	10	9.8
	10	9	7	7	7	6	8	8	3	2	2	3	7	7.6
	11	10	10	8	9	8	7	5	7	7	9	9	7	7.6
	12	6	2	9	6	4	6	9	10	10	5	4	9	8.2
	13	9	7	6	6	8	7	6	8	9	6	5	6	8.2
	14	7	2	5	8	9	10	8	9	9	9	10	9	6.6
	15	9	7	7	7	5	5	1	1	1	2	1	1	6.7
	16	7	6	6	5	5	7	7	5	3	5	9	5	5.5
	17	6	4	6	4	2	7	5	6	7	10	10	10	7.4
	18	10	9	7	5	6	9	10	10	10	10	10	10	9.4
	19	9	10	10	10	9	9	9	10	10	10	10	10	9.6
	20	9	8	7	7	7	8	9	9	8	7	9	10	8.5
	21	5	6	4	3	2	3	5	7	3	5	7	7	6.8
	22	6	7	6	6	4	4	5	7	5	9	4	5	7.6
	23	9	8	5	4	4	8	9	8	7	9	9	8	8.1
	24	7	9	10	10	10	10	10	10	10	9	9	8	8.9
	25	9	9	9	9	9	9	10	10	10	10	10	10	8.6
	26	7	9	9	8	7	7	7	5	7	6	4	7	7.5
	27	6	4	2	7	10	10	10	10	10	10	8	6	7.1
	28	7	9	10	10	10	10	9	6	7	7	9	6	7.1
	29	9	10	10	9	9	10	10	10	8	9	8	8	7.5
	30	8	8	9	7	10	10	10	10	9	10	10	10	7.8
	31	10	9	9	10	10	10	9	10	9	9	6	5	8.3
Hourly Means.	7.5	6.9	7.1	6.8	6.8	7.6	7.2	7.2	7.1	7.4	7.3	7.0	7.45	

BAROMETRIC PRESSURE.

BAROMETER AT 0°C = 750 MILLIMETRES + THE NUMBERS IN THE TABLE.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
FEBRUARY.	1	6.52	6.02	5.82	5.54	5.70	5.96	6.18	6.74	6.90	6.79	6.73	6.35	—
	2	7.77	7.56	6.98	6.50	6.31	6.87	7.00	7.33	7.42	7.67	7.45	6.89	—
	3	7.90	7.27	6.95	6.79	6.69	6.87	7.37	7.48	7.70	7.54	7.54	7.46	—
	4	6.56	6.01	5.97	6.88	6.60	6.50	6.94	7.72	8.08	8.22	8.13	7.65	—
	5	6.57	6.10	5.51	5.66	5.93	6.46	6.98	7.57	7.81	7.75	7.70	7.48	—
	6	7.88	7.36	7.03	6.90	6.75	7.00	7.82	8.60	8.66	8.27	7.92	7.65	—
	7	7.59	7.05	6.57	6.85	7.33	7.86	8.52	9.10	9.53	9.28	9.51	9.28	—
	8	8.02	7.28	7.05	7.15	7.37	7.55	8.05	8.76	9.20	9.16	9.25	8.90	—
	9	8.16	8.01	8.02	8.02	7.78	8.03	8.59	9.12	9.52	9.70	9.80	9.56	—
	10	9.00	8.61	8.42	8.48	8.98	9.39	10.09	11.60	11.19	10.89	9.99	9.43	—
	11	9.58	8.95	8.35	8.52	8.53	8.96	9.23	9.57	9.54	9.53	8.91	8.51	—
	12	7.77	7.32	6.97	6.87	7.32	7.89	8.66	9.05	9.27	9.20	8.70	8.34	—
	13	8.20	8.21	8.01	8.12	8.47	9.02	9.27	10.03	10.18	9.89	9.38	9.04	—
	14	8.91	8.49	8.39	8.60	9.01	9.70	9.89	10.65	10.83	10.54	10.55	9.85	—
	15	9.10	8.90	8.40	8.56	8.92	9.08	9.96	10.43	10.33	10.06	9.49	9.01	—
	16	8.67	8.20	7.97	8.03	8.40	8.96	9.36	9.80	9.74	9.76	9.34	8.64	—
	17	8.90	9.01	8.81	8.72	9.13	9.43	9.68	10.40	10.81	10.80	10.78	10.13	—
	18	9.70	9.41	9.25	9.21	9.22	9.30	9.99	10.48	10.86	10.73	10.37	9.68	—
	19	9.94	9.82	9.68	9.35	9.61	9.94	10.56	11.05	11.20	10.98	10.65	9.71	—
	20	9.90	9.72	9.44	9.22	9.73	9.94	10.95	11.45	11.40	11.34	11.12	10.40	—
	21	10.28	9.79	9.32	9.14	9.40	10.01	10.45	11.33	11.25	10.97	10.77	10.35	—
	22	10.15	9.70	9.41	9.20	9.68	9.88	10.21	10.89	10.85	10.82	10.45	9.65	—
	23	9.53	9.12	8.90	8.92	9.16	9.67	9.95	10.40	10.28	10.10	9.67	9.11	—
	24	8.37	7.88	7.93	7.98	8.44	8.82	9.23	9.95	10.01	9.92	9.63	9.07	—
	25	8.57	7.94	7.85	8.26	8.65	8.88	9.38	10.05	10.39	10.52	10.26	9.53	—
	26	9.70	9.17	8.94	9.00	9.10	9.46	9.85	10.19	10.38	10.30	10.03	9.68	—
	27	10.95	10.61	10.23	10.04	10.06	10.71	11.09	11.55	11.74	11.75	11.25	10.64	—
	28	9.80	9.63	9.49	9.60	9.65	10.01	10.45	10.83	10.92	10.80	10.57	10.11	—
Hourly Means.		8.71	8.33	8.06	8.08	8.28	8.65	9.13	9.72	9.86	9.76	9.50	9.00	—
Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
FEBRUARY.	1	5.84	5.16	4.83	4.86	4.96	5.68	6.41	7.11	7.45	7.52	7.85	7.76	6.28
	2	6.15	5.59	5.13	4.81	5.18	5.98	6.86	7.11	7.67	8.23	8.03	7.50	6.83
	3	6.77	6.24	5.84	5.59	5.80	6.10	6.49	7.11	7.34	7.45	7.21	6.92	6.93
	4	7.10	6.34	5.75	5.30	5.25	5.80	6.50	6.92	7.46	7.85	7.72	7.35	6.86
	5	6.73	6.19	5.65	5.39	5.61	6.23	6.52	6.90	7.77	8.05	8.22	8.10	6.79
	6	7.18	6.54	6.13	5.99	6.21	6.48	6.85	7.34	7.91	7.99	8.15	8.02	7.36
	7	8.76	8.06	7.26	6.70	6.60	6.80	7.26	7.97	8.54	8.87	8.92	8.57	8.03
	8	8.91	8.49	7.95	7.01	6.88	7.24	7.46	8.06	8.61	8.81	8.82	8.62	8.11
	9	8.87	8.20	7.95	7.94	8.05	8.46	8.66	8.97	9.45	9.76	9.68	9.45	8.74
	10	8.97	8.68	8.35	8.17	8.39	8.85	9.65	10.18	10.61	10.50	10.45	10.06	9.54
	11	7.78	7.34	7.02	6.88	6.88	7.33	7.71	8.30	8.52	8.75	8.57	8.17	8.39
	12	7.66	7.04	6.42	6.40	6.80	7.20	7.54	7.95	8.70	8.85	8.65	8.45	7.88
	13	8.54	7.93	7.63	7.33	7.38	7.61	8.06	8.53	9.04	9.64	9.24	8.96	8.65
	14	8.97	8.23	7.75	8.29	8.72	8.54	8.92	9.19	9.49	9.76	9.88	9.40	9.27
	15	8.55	7.70	6.71	6.60	6.71	7.55	8.04	8.37	8.90	9.35	9.36	8.95	8.71
	16	7.84	7.20	6.84	6.64	6.43	6.94	7.63	8.46	9.05	9.40	9.38	9.17	8.41
	17	9.14	8.40	7.60	7.13	7.27	7.58	8.00	8.75	9.63	10.04	10.20	9.90	9.18
	18	9.24	8.44	7.91	7.49	7.66	8.27	8.62	9.58	10.14	10.47	10.29	10.12	9.43
	19	8.97	8.34	7.89	7.45	7.53	8.00	8.70	9.63	10.15	10.63	10.74	10.42	9.62
	20	9.36	8.48	7.78	7.58	7.60	8.04	8.44	9.08	9.68	10.62	10.44	10.78	9.69
	21	9.80	8.96	8.16	7.73	7.98	8.33	9.15	9.87	10.49	10.85	10.79	10.33	9.81
	22	8.65	7.97	7.37	7.19	7.29	7.77	8.58	8.98	9.68	10.14	10.20	9.95	9.36
	23	8.22	7.44	7.06	6.81	6.78	7.34	7.60	8.28	8.85	9.24	9.27	9.02	8.78
	24	8.35	7.83	7.61	7.24	7.31	7.63	7.90	8.51	8.95	9.15	9.16	9.05	8.58
	25	9.04	8.30	8.09	7.68	7.89	8.25	8.75	9.20	9.65	10.00	10.34	10.27	9.07
	26	9.19	8.74	8.39	8.35	8.45	9.04	9.34	10.05	10.45	10.77	11.15	11.29	9.63
	27	9.91	9.06	8.68	8.41	8.23	8.44	8.91	9.27	9.68	9.94	9.92	9.90	10.04
	28	9.39	8.84	8.29	7.61	7.49	8.21	8.52	9.19	9.58	9.98	10.07	9.99	9.54
Hourly Means.		8.35	7.70	7.22	6.95	7.05	7.49	7.97	8.53	9.05	9.38		9.16	8.55

STANDARD THERMOMETER.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
FEBRUARY.	1	76.0	75.3	74.9	74.9	74.4	74.7	75.2	77.1	78.0	80.1	82.0	82.0	—
	2	73.8	72.2	72.0	72.0	71.8	71.8	72.2	74.0	76.5	78.5	82.0	82.0	—
	3	74.1	73.4	73.0	73.0	72.9	73.0	73.3	74.1	76.0	77.8	78.6	78.9	—
	4	75.6	75.2	75.0	74.3	72.9	71.6	72.0	72.7	75.6	76.4	75.9	77.2	—
	5	74.8	74.4	74.0	74.4	75.4	75.4	75.6	77.5	79.2	79.6	80.0	80.7	—
	6	74.0	73.8	73.7	73.5	73.7	73.7	73.7	74.8	77.0	78.8	81.4	82.3	—
	7	76.1	75.8	75.0	74.4	73.6	73.2	73.1	73.2	73.4	74.1	72.9	73.9	—
	8	74.4	74.2	74.1	74.7	76.2	76.6	77.0	78.0	77.6	80.0	79.2	79.8	—
	9	72.5	72.4	71.6	71.2	71.6	72.0	72.5	73.7	75.6	77.5	77.5	77.3	—
	10	73.7	73.3	73.0	73.0	73.1	71.1	70.8	70.4	70.3	72.6	75.1	75.6	—
	11	74.7	74.0	73.5	73.3	73.0	73.0	73.3	74.7	76.8	78.7	80.7	82.3	—
	12	77.0	77.2	77.3	77.3	77.4	77.3	77.2	78.0	79.0	78.7	80.1	81.7	—
	13	74.8	75.0	74.9	74.7	74.9	75.1	75.4	76.8	76.9	78.4	80.3	81.2	—
	14	75.6	75.6	75.2	75.0	75.5	74.7	73.9	74.4	76.0	78.0	76.6	76.4	—
	15	74.2	74.2	74.1	73.5	73.1	72.8	73.3	74.6	74.7	77.3	78.9	80.1	—
	16	75.0	74.5	74.0	73.9	73.4	73.5	74.4	76.2	78.0	75.0	76.6	77.4	—
	17	75.4	75.3	75.0	75.0	74.7	74.3	75.3	76.4	77.5	79.5	78.0	78.6	—
	18	75.0	74.5	74.1	73.6	73.3	73.0	73.0	75.0	78.4	81.5	83.2	8.33	—
	19	76.0	75.5	75.1	74.6	74.2	74.0	74.5	76.0	78.2	80.6	82.7	83.2	—
	20	76.6	76.0	75.4	75.1	74.8	74.8	75.1	75.6	77.2	79.3	80.5	82.1	—
	21	76.4	75.9	75.2	74.5	74.0	73.5	74.5	76.4	77.9	78.8	80.2	81.5	—
	22	74.2	74.0	74.2	74.0	74.1	74.0	73.8	75.0	76.0	78.0	80.2	82.9	—
	23	74.4	73.9	72.5	71.6	70.9	70.4	70.6	73.5	78.9	82.4	84.5	85.8	—
	24	73.6	72.7	72.0	71.1	70.0	69.5	70.2	73.0	76.7	80.5	83.3	84.0	—
	25	76.6	76.1	75.8	75.1	74.7	74.4	74.0	76.3	79.6	82.2	83.5	82.5	—
	26	75.4	75.3	75.1	75.1	74.4	73.4	73.2	76.0	80.1	82.0	82.9	83.0	—
	27	73.9	73.5	73.2	73.1	73.0	72.8	74.1	77.0	78.3	80.4	82.2	83.3	—
	28	75.4	74.9	74.6	74.4	74.0	73.3	73.8	77.0	80.0	82.6	84.4	85.0	—
Hourly Means.		74.97	74.58	74.20	73.94	73.75	73.46	73.75	75.26	77.12	78.90	80.12	80.86	—
Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
FEBRUARY.	1	81.5	81.5	82.0	81.3	80.6	79.6	77.8	76.0	75.4	75.3	74.9	74.9	77.73
	2	81.4	81.2	81.8	82.2	80.8	79.9	74.2	74.2	74.5	74.5	74.5	74.2	76.34
	3	80.0	80.8	80.6	80.0	79.4	79.0	78.0	77.4	77.1	76.7	76.2	76.1	76.64
	4	79.2	80.0	80.4	81.0	80.4	79.6	78.4	77.8	77.0	76.0	75.4	75.0	76.44
	5	82.3	82.3	81.0	80.5	79.8	78.9	77.9	77.0	76.4	76.2	76.1	74.3	77.65
	6	82.1	82.6	82.7	81.9	81.0	80.6	79.5	78.4	77.8	77.4	77.0	76.6	77.83
	7	75.0	76.6	76.8	77.5	77.8	77.1	76.5	76.0	75.1	75.0	74.7	74.5	75.05
	8	75.0	73.5	73.0	73.0	73.5	73.3	73.0	73.0	73.0	72.8	72.8	72.7	75.02
	9	78.0	78.0	76.6	76.5	76.8	76.6	76.0	75.5	75.2	74.9	74.1	73.9	74.90
	10	77.0	78.8	79.9	78.7	78.0	77.1	76.0	75.7	75.5	75.2	75.0	74.8	74.74
	11	83.7	83.0	82.0	81.6	81.5	80.5	79.5	78.6	78.0	77.5	77.4	77.3	77.86
	12	81.1	82.0	83.2	81.6	81.0	80.2	79.6	78.6	77.6	75.7	75.3	74.6	78.70
	13	82.0	81.1	82.0	81.5	81.0	80.2	79.8	79.3	78.7	77.2	75.3	75.8	78.01
	14	79.4	80.0	80.0	77.0	74.8	74.8	74.9	74.5	74.1	73.9	73.8	74.0	75.75
	15	78.1	81.6	82.0	80.6	79.7	78.7	77.4	77.0	76.6	76.2	76.0	75.4	76.67
	16	80.6	82.5	81.0	81.3	81.0	80.0	79.0	78.1	77.4	77.5	76.6	75.5	77.18
	17	79.3	79.2	82.2	81.8	81.8	80.4	79.0	78.1	77.5	77.0	75.7	75.1	77.59
	18	82.2	84.0	83.9	83.2	83.8	82.0	80.3	79.5	78.8	78.0	77.4	77.0	78.67
	19	83.2	84.0	81.8	82.2	81.8	81.0	79.6	79.0	78.4	78.0	77.8	77.1	78.69
	20	83.0	83.2	82.5	81.4	81.0	79.8	79.0	78.4	77.8	77.0	76.2	76.2	78.25
	21	81.5	81.7	81.0	80.6	80.3	79.7	79.0	78.5	78.0	75.7	75.0	74.6	77.68
	22	83.4	82.8	84.0	83.3	83.0	81.6	80.3	78.9	77.7	76.6	75.1	74.0	77.96
	23	87.0	86.0	84.3	84.5	84.5	82.9	81.1	79.8	78.0	76.9	75.8	74.7	78.54
	24	86.0	85.2	84.7	83.8	83.0	82.0	80.4	79.0	78.4	78.0	77.1	76.4	77.94
	25	83.0	83.6	83.9	83.0	83.0	81.7	80.4	78.7	77.7	77.0	76.4	76.0	78.97
	26	82.9	84.1	82.6	82.2	82.2	81.6	79.0	77.2	76.0	75.5	75.0	74.5	78.28
	27	83.2	83.3	82.3	82.1	81.1	80.5	79.5	77.7	77.3	76.5	76.0	75.6	77.91
	28	85.5	85.2	84.6	84.0	83.0	82.0	81.0	79.9	78.8	78.2	77.4	77.0	79.42
Hourly Means.		81.31	81.71	81.53	81.01	80.56	79.69	78.43	77.56	76.92	76.30	75.71	75.28	77.37

RELATIVE HUMIDITY OF THE AIR.

SATURATION = 1000.

Mean Batavia Time.		1 A.M.	2	3	4	5	6	7	8	9	10	11	12	—
F E B R U A R Y .	1	957	966	965	965	973	965	983	916	885	849	778	793	—
	2	982	973	964	973	964	973	973	965	842	777	700	736	—
	3	947	946	911	929	946	946	965	939	856	813	783	763	—
	4	966	957	957	965	911	901	875	885	864	850	996	907	—
	5	930	947	956	973	940	898	905	892	832	817	795	768	—
	6	930	938	947	938	947	956	947	939	875	838	770	729	—
	7	882	889	930	939	965	973	982	982	982	982	982	973	—
	8	965	973	973	974	882	874	859	845	884	818	839	817	—
	9	964	946	945	935	955	946	964	965	940	900	917	932	—
	10	965	973	973	973	973	927	927	926	944	919	872	872	—
	11	965	965	965	965	973	973	965	956	883	838	819	801	—
	12	966	941	900	883	844	819	843	845	816	846	788	771	—
	13	965	956	974	965	965	966	974	941	941	893	825	740	—
	14	957	957	947	930	923	956	965	965	948	908	948	948	—
	15	973	973	956	956	946	955	955	956	965	917	854	818	—
	16	947	956	947	938	955	965	973	915	861	947	948	907	—
	17	931	922	930	947	956	947	948	891	892	848	892	902	—
	18	939	939	947	956	956	955	946	880	814	749	725	740	—
	19	931	940	930	922	930	956	947	923	869	819	710	767	—
	20	957	940	957	957	965	974	957	957	884	824	818	786	—
	21	899	906	914	939	938	947	947	882	884	847	826	776	—
	22	930	938	939	930	930	938	938	957	931	893	818	774	—
	23	845	837	893	891	864	872	864	811	710	661	624	604	—
	24	903	902	910	927	907	934	907	801	779	732	671	634	—
	25	924	923	898	888	888	904	912	874	765	702	713	773	—
	26	914	922	939	939	939	929	903	882	818	758	724	738	—
	27	938	938	955	937	946	946	939	892	862	834	688	712	—
	28	931	947	956	947	938	946	938	900	818	744	688	657	—
Hourly Means.		939	940	942	942	936	937	936	910	869	833	801	791	—
Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
F E B R U A R Y .	1	806	806	792	776	767	848	867	948	939	957	956	956	892
	2	776	755	679	694	738	802	913	939	939	947	947	947	871
	3	752	753	804	802	823	863	893	925	941	940	948	948	881
	4	779	752	767	769	788	824	901	925	932	931	931	939	883
	5	743	721	768	804	809	831	852	883	899	906	915	904	862
	6	736	695	702	707	739	774	824	862	908	892	900	899	850
	7	983	974	924	925	917	932	948	948	939	939	930	939	948
	8	904	920	937	946	956	956	964	964	964	973	973	973	922
	9	908	877	924	932	941	957	966	966	966	965	956	965	943
	10	804	784	743	792	836	891	923	940	966	957	957	956	908
	11	735	753	771	806	798	834	879	902	917	941	949	949	888
	12	739	735	697	734	768	811	848	902	933	957	948	947	845
	13	771	776	778	776	783	818	855	870	918	958	957	966	889
	14	879	849	841	883	947	939	947	956	956	956	965	973	935
	15	893	799	777	811	840	885	916	924	916	940	931	939	908
	16	850	758	776	784	790	833	878	901	932	892	906	922	895
	17	852	847	758	771	749	782	839	869	900	883	931	948	880
	18	771	742	777	803	769	807	848	863	885	908	933	916	857
	19	747	721	821	787	822	797	870	878	926	933	941	949	868
	20	760	733	759	769	783	840	870	893	884	891	915	923	875
	21	791	784	768	782	818	840	847	861	884	898	914	930	868
	22	768	773	749	761	774	814	774	771	806	818	872	904	854
	23	572	641	708	722	716	724	761	817	829	866	889	897	776
	24	587	570	651	678	703	742	781	831	861	884	907	923	797
	25	738	699	700	675	675	692	737	823	860	883	906	899	810
	26	738	694	737	715	721	763	784	842	856	880	905	913	831
	27	705	685	709	743	776	811	833	884	900	916	923	931	850
	28	628	652	736	741	739	785	820	848	893	901	917	924	833
Hourly Means		775	759	770	782	796	828	862	891	909	918	929	935	872

DIRECTION OF THE WIND.

Mean Batavia Time.	1 A. M.	2	3	4	5	6	7	8	9	10	11	12
FEBRUARY.	1	C	C	C	C	C	C	WNW	C	WNW	N	N
	2	N	NW	NW	C	C	C	NW	WNW	NW	NW	NW
	3	WNW	WNW	WNW	C	C	C	WNW	WNW	WNW	WNW	WNW
	4	C	C	NNW	WSW	WSW	C	WSW	WSW	WNW	WNW	WNW
	5	C	C	NNW	NW	NNW	NW	NW	NW	NNW	NNW	NNW
	6	C	C	WSW	WNW	C	C	WNW	WNW	WNW	WNW	NW
	7	C	C	C	NNW	NW	NNW	W	WNW	W	WSW	C
	8	C	C	C	W	NW	NNW	NW	NW	NW	NW	NW
	9	C	WNW	W	W	W	C	C	W	W	WNW	WNW
	10	C	C	C	C	NW	W	WNW	W	W	W	W
	11	C	C	C	C	C	C	C	WNW	WNW	NW	NW
	12	C	NNW	NNW	NNW	NNW	NW	NW	WNW	NNW	NNW	NNW
	13	C	C	C	C	C	C	C	N	NW	NW	NNW
	14	C	C	C	C	W	NNW	C	C	NNE	NNE	N
	15	C	C	SW	C	SW	SW	C	C	SW	SW	WSW
	16	C	C	C	C	C	C	C	NNW	NNW	C	NNW
	17	C	C	C	C	C	C	NNW	C	NNW	NNW	N
	18	C	C	C	C	C	C	C	C	NW	NW	N
	19	C	C	C	C	C	C	C	C	NW	NW	N
	20	C	C	C	C	C	C	C	C	WNW	NW	NW
	21	C	C	C	C	C	C	NW	NW	NW	NW	WNW
	22	C	C	C	C	C	WNW	NW	C	NW	WNW	NW
	23	C	C	C	C	C	C	C	C	NNW	WNW	WNW
	24	C	C	C	C	C	C	C	C	NNW	NNW	NNE
	25	C	C	C	C	C	C	C	N	N	N	N
	26	C	C	C	C	C	C	C	NNW	N	NE	NNW
	27	N	N	N	N	N	C	C	C	N	NNW	NNW
	28	C	C	C	C	C	C	C	N	NNW	N	NNE
Mean Batavia Time.	1 P. M.	2	3	4	5	6	7	8	9	10	11	12
FEBRUARY.	1	NNE	N	N	N	N	N	N	C	C	C	N
	2	NW	NW	NNW	NNW	NNW	NNW	WNW	C	C	C	C
	3	WNW	WNW	NNW	NNW	NNW	C	C	C	C	C	C
	4	NW	NNW	N	NNW	NNW	C	C	C	C	C	C
	5	NNW	NW	NNW	NW	C	C	C	C	C	NW	WSW
	6	NNW	NNW	WNW	NW	NNW	C	C	C	C	C	C
	7	C	W	W	C	C	C	C	C	C	C	C
	8	W	WNW	NW	C	C	C	C	C	C	C	C
	9	WNW	WNW	NW	C	C	C	C	C	C	C	C
	10	W	W	WNW	WNW	WNW	C	C	C	C	C	C
	11	NW	NNW	NNW	NNW	NNW	NNW	NNW	C	C	NNW	C
	12	NNW	N	NNW	N	N	N	C	N	N	C	C
	13	NNW	NNW	NNW	NNW	N	N	C	C	NW	C	C
	14	NW	NW	NNW	W	SW	C	C	C	C	C	C
	15	N	N	N	NNW	NNW	NNW	NNW	C	C	C	C
	16	NNW	NNW	NNW	N	NNW	NNW	NNW	C	C	C	C
	17	NNW	NNW	NW	NW	NW	NW	NW	C	C	C	C
	18	NW	NW	NW	NNW	NW	NW	NW	C	C	C	C
	19	N	NW	W	W	W	C	C	C	C	C	C
	20	NW	NW	NW	NW	NW	NW	C	C	C	C	C
	21	NNW	NNW	NNW	NW	WNW	WNW	C	C	WNW	C	C
	22	NNW	NNW	NNW	NNW	N	NNW	C	C	C	C	C
	23	WNW	NNW	NNW	NNW	NNW	NNW	NNW	C	C	C	C
	24	NNW	N	N	N	N	N	C	C	C	C	C
	25	NNE	N	N	N	NNW	NNW	C	C	C	C	C
	26	NNW	N	N	N	N	N	N	C	C	C	C
	27	N	N	N	N	N	N	C	C	C	C	C
	28	NNE	N	N	N	N	N	C	C	C	C	C

VELOCITY OF THE WIND IN KILOMETERS PER HOUR.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	
FEBRUARY.	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	0.0	1.6	7.2	12.1	—
	2	6.4	4.8	0.8	0.0	0.0	0.0	0.0	1.6	3.2	4.0	4.8	4.0	—
	3	0.8	1.6	1.6	0.0	0.0	0.0	0.0	0.8	0.8	3.2	3.2	1.6	—
	4	0.0	0.0	1.6	6.4	3.2	1.6	0.0	0.8	2.4	4.0	3.2	4.8	—
	5	0.0	0.0	0.8	2.4	6.4	3.2	1.6	4.0	8.0	11.3	10.5	13.7	—
	6	0.0	0.0	2.4	2.4	0.0	0.0	0.0	1.6	1.6	3.2	7.2	10.5	—
	7	0.0	0.0	0.0	4.0	0.8	4.0	4.0	3.2	2.4	4.0	0.0	0.0	—
	8	0.0	0.0	0.0	1.6	4.8	4.8	7.2	8.0	6.4	12.9	12.9	14.5	—
	9	0.0	1.6	4.8	1.6	0.8	0.0	0.0	0.8	2.4	5.6	1.6	1.6	—
	10	0.0	0.0	0.0	0.0	2.4	3.2	0.8	6.4	0.8	0.8	1.6	0.8	—
	11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	4.8	7.2	11.3	—
	12	0.0	4.0	8.0	12.1	11.3	8.0	3.2	4.8	4.8	6.4	14.5	17.7	—
	13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.8	7.2	12.9	15.3	—
	14	0.0	0.0	0.0	0.0	2.4	3.2	0.0	0.0	0.8	1.6	0.8	1.6	—
	15	0.0	0.0	0.8	0.0	0.8	0.8	0.0	0.0	0.8	1.6	2.4	4.0	—
	16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	3.2	0.0	0.0	1.6	—
	17	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.0	0.8	3.2	4.8	8.0	—
	18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	4.8	6.4	8.9	—
	19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	4.0	8.0	10.5	—
	20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	4.0	4.8	8.0	—
	21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.8	3.2	1.6	4.8	12.1	—
	22	0.0	0.0	0.0	0.0	0.0	4.0	0.8	0.0	1.6	2.4	4.8	4.8	—
	23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	4.0	5.6	5.6	—
	24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	3.2	5.6	4.8	—
	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	4.8	9.7	—
	26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	3.2	7.2	10.5	11.3	—
	27	0.8	0.8	0.8	0.8	0.8	0.0	0.0	0.0	0.8	4.0	4.8	8.9	—
	28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.8	0.8	3.2	3.2	8.9	—
Hourly Means.		0.29	0.46	0.77	1.12	1.20	1.17	0.66	1.63	2.26	4.09	5.65	7.74	—
Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
FEBRUARY.	1	11.3	8.0	4.8	4.0	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.8	2.41
	2	4.8	4.8	5.6	5.6	4.0	4.8	0.8	0.0	0.0	0.0	0.0	0.0	2.50
	3	3.2	3.2	6.4	4.8	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.37
	4	9.7	10.5	10.5	8.0	4.0	0.8	0.0	0.0	0.0	0.0	0.0	0.0	2.98
	5	15.3	10.5	4.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0	1.6	0.8	3.99
	6	9.7	8.0	7.2	4.8	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.51
	7	0.0	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00
	8	11.3	7.2	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.98
	9	4.8	4.0	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.27
	10	0.8	4.0	4.0	1.6	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.17
	11	14.5	15.3	12.1	8.0	4.8	0.8	0.8	0.0	0.0	0.0	0.8	0.0	3.42
	12	16.9	11.3	9.7	9.7	6.4	2.4	2.4	0.0	0.8	1.6	0.0	0.0	6.50
	13	18.5	14.5	12.1	8.9	5.6	0.8	0.0	0.0	0.0	1.6	0.0	0.0	4.26
	14	6.4	4.8	3.2	2.4	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.23
	15	4.8	8.9	10.5	8.0	6.4	1.6	0.8	0.0	0.0	0.0	0.0	0.0	2.18
	16	8.0	9.7	6.4	7.2	5.6	0.8	0.8	0.0	0.0	0.0	0.0	0.0	1.84
	17	8.9	3.2	8.0	9.7	8.0	6.4	3.2	1.6	0.8	0.0	0.0	0.0	2.81
	18	9.7	9.7	10.5	7.2	6.4	3.2	0.8	0.0	0.0	0.0	0.0	0.0	2.88
	19	9.7	8.0	0.8	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.88
	20	9.7	8.0	6.4	8.0	4.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0	2.37
	21	16.9	16.1	9.7	8.0	3.2	0.8	0.0	0.0	0.0	1.6	0.0	0.0	3.45
	22	9.7	12.1	10.5	8.9	8.0	2.4	0.0	0.0	0.0	0.0	0.0	0.0	2.92
	23	5.6	8.9	14.5	11.3	8.0	3.2	0.8	0.0	0.0	0.0	0.0	0.0	2.91
	24	10.5	12.1	11.3	8.9	8.0	2.4	0.0	0.0	0.0	0.0	0.0	0.0	2.82
	25	12.9	12.9	12.1	10.5	7.2	3.2	0.0	0.0	0.0	0.0	0.0	0.0	3.15
	26	11.3	12.9	15.3	11.3	6.4	1.6	0.8	0.8	0.0	0.0	0.0	0.0	3.89
	27	9.7	9.7	8.9	7.2	5.6	0.8	0.0	0.0	0.0	0.0	0.0	0.0	2.68
	28	11.3	11.3	12.9	10.5	9.7	4.8	0.8	0.0	0.0	0.0	0.0	0.0	3.43
Hourly Means.		9.40	8.94	7.99	6.32	4.35	1.54	0.49	0.14	0.06	0.17	0.09	0.06	2.78

CLOUDS.

CLEAR = 0. OVERCAST = 10.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
FEBRUARY.	1	9	1	7	2	2	10	9	7	7	10	7	9	—
	2	10	10	10	10	9	9	10	9	6	7	7	9	—
	3	10	10	10	10	10	9	9	9	7	7	9	8	—
	4	6	7	6	10	9	6	10	10	10	10	10	10	—
	5	7	8	9	10	10	10	7	8	10	6	9	7	—
	6	10	10	10	10	10	10	10	9	7	8	7	8	—
	7	9	7	9	10	10	10	10	10	10	10	10	10	—
	8	6	10	10	9	7	10	10	9	9	9	9	9	—
	9	6	6	10	10	6	10	10	10	10	10	10	10	—
	10	9	10	10	10	10	10	10	10	10	6	7	10	—
	11	10	9	7	9	4	10	10	9	9	10	10	8	—
	12	7	7	9	9	7	9	9	9	10	10	9	9	—
	13	10	10	10	10	10	10	9	10	9	9	9	9	—
	14	10	6	6	9	6	10	10	9	9	10	10	9	—
	15	9	10	7	7	9	9	10	10	10	6	6	6	—
	16	2	1	2	2	1	10	8	9	10	10	10	8	—
	17	8	10	10	7	5	7	9	9	9	10	10	9	—
	18	4	3	2	1	2	5	5	5	4	5	5	6	—
	19	6	4	6	6	6	6	9	8	8	7	5	7	—
	20	7	9	10	8	9	10	10	9	6	6	10	6	—
	21	9	9	10	10	8	10	10	10	9	10	10	8	—
	22	10	9	9	10	10	10	10	10	8	9	9	8	—
	23	2	1	0	0	0	2	5	3	3	4	3	5	—
	24	4	4	6	6	6	6	2	1	1	4	3	6	—
	25	9	7	10	8	10	10	6	4	4	2	0	1	—
	26	2	1	7	2	2	3	2	2	4	7	6	7	—
	27	2	2	2	3	4	7	6	10	9	7	7	6	—
	28	3	7	8	8	3	2	2	1	5	6	7	5	—
Hourly Means.		7.0	6.7	7.6	7.4	6.6	8.2	8.1	7.8	7.6	7.7	7.6	7.6	—
Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
FEBRUARY.	1	9	7	6	8	8	6	9	10	10	8	10	10	7.5
	2	9	9	7	7	10	10	10	9	6	7	6	6	8.4
	3	10	10	10	10	9	10	10	10	9	9	9	10	9.3
	4	9	9	8	7	7	8	10	9	9	8	6	7	8.4
	5	9	9	10	10	10	10	8	9	5	9	10	10	8.8
	6	6	4	6	6	8	10	8	6	7	5	4	5	7.7
	7	10	10	10	10	10	10	7	9	6	9	6	8	9.2
	8	10	10	10	10	10	10	10	9	8	8	8	10	9.2
	9	10	10	10	10	10	10	10	10	10	9	6	8	9.2
	10	10	10	10	10	10	10	10	10	10	10	10	10	9.7
	11	2	6	9	9	6	6	5	3	2	4	5	3	6.9
	12	8	6	6	6	8	9	6	8	10	10	10	9	8.3
	13	8	8	8	7	8	7	8	9	10	10	10	10	9.1
	14	9	9	9	10	10	10	10	10	6	5	7	9	8.7
	15	9	8	6	9	8	8	9	9	7	7	5	5	7.9
	16	6	6	9	4	4	6	4	7	8	6	7	8	6.2
	17	10	9	9	7	5	5	4	6	6	4	6	6	7.5
	18	10	4	4	6	3	1	2	6	5	5	5	6	4.3
	19	7	8	7	6	7	7	5	8	6	5	6	7	6.5
	20	8	7	8	8	7	7	5	5	3	4	6	9	7.4
	21	7	6	9	9	9	6	7	6	9	9	8	9	8.6
	22	7	5	5	5	3	3	4	6	4	4	6	4	7.0
	23	5	6	6	1	1	1	1	1	1	0	0	0	2.1
	24	3	2	3	3	2	3	1	0	8	4	1	2	3.4
	25	6	5	3	2	2	3	3	2	1	1	3	1	4.4
	26	4	2	6	4	4	6	2	1	1	2	1	1	3.3
	27	6	7	7	7	4	3	2	6	4	4	6	6	5.3
	28	2	2	4	2	0	1	3	1	1	1	2	4	3.3
Hourly Means.		7.5	6.9	7.3	6.9	6.5	6.6	6.2	6.6	6.2	6.0	6.0	6.6	7.05

BAROMETRIC PRESSURE.

BAROMETER AT 0°C = 750 MILLIMETRES + THE NUMBERS IN THE TABLE.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
M A R C H.	1	9.73	9.53	9.26	8.97	9.14	9.50	10.00	10.40	10.58	10.23	9.87	9.22	—
	2	9.23	8.86	8.38	8.49	8.76	9.25	9.82	10.14	9.97	9.94	9.82	9.34	—
	3	10.02	9.83	9.69	9.75	10.05	10.53	10.80	11.04	11.51	11.53	11.22	10.55	—
	4	10.74	10.30	9.89	9.93	10.30	10.58	10.58	11.15	11.48	11.30	11.11	10.48	—
	5	9.87	9.49	9.50	9.42	9.74	9.86	10.35	10.73	10.89	10.60	10.48	9.76	—
	6	10.38	9.68	9.38	9.50	9.36	9.49	10.06	10.58	10.83	10.65	10.21	9.73	—
	7	9.92	9.57	9.38	9.35	9.40	9.63	10.20	10.91	11.29	11.22	10.79	9.98	—
	8	9.75	9.11	8.72	8.69	8.70	9.01	9.35	9.88	10.25	10.26	9.89	9.41	—
	9	9.00	8.39	8.00	7.86	8.29	8.40	8.74	9.04	9.40	9.28	9.16	8.84	—
	10	9.17	8.94	8.80	8.72	8.92	9.00	9.33	9.89	10.04	10.10	9.63	8.88	—
	11	9.12	8.85	8.36	8.12	8.52	8.82	9.10	9.58	9.83	9.77	9.51	8.71	—
	12	8.80	8.01	7.92	7.82	8.19	8.20	8.92	9.65	9.84	9.70	9.78	9.32	—
	13	9.29	9.02	8.69	8.81	9.07	9.31	9.32	10.19	10.52	10.62	9.94	9.17	—
	14	10.32	9.64	9.29	9.33	9.80	9.96	10.60	11.36	11.05	10.55	9.74	9.23	—
	15	9.01	8.52	8.34	8.06	8.17	8.28	8.77	9.00	9.42	9.42	8.98	8.29	—
	16	7.86	7.64	7.60	7.60	7.71	7.72	8.09	8.71	8.76	8.72	8.36	8.03	—
	17	8.77	8.44	8.34	8.41	8.57	8.90	9.46	9.95	9.99	9.79	9.68	9.07	—
	18	10.38	9.98	9.84	9.87	10.14	10.15	10.64	11.19	11.69	11.48	10.91	10.12	—
	19	9.32	9.04	8.82	8.88	9.00	9.26	9.81	10.16	10.25	10.15	9.58	8.87	—
	20	7.75	7.36	6.77	6.77	7.09	7.41	8.00	8.67	8.80	8.82	8.41	7.39	—
	21	7.74	7.26	6.74	6.75	6.96	7.32	8.06	8.49	8.73	8.72	8.06	7.77	—
	22	8.72	8.34	8.01	7.94	8.06	8.40	9.18	9.70	9.94	10.08	9.69	9.32	—
	23	9.29	8.95	8.72	8.40	8.62	8.90	9.38	9.88	9.97	9.87	9.53	8.87	—
	24	9.23	8.94	8.64	8.32	8.84	9.00	9.50	9.93	10.39	10.40	10.06	9.76	—
	25	9.54	9.22	8.78	8.80	9.06	9.32	10.03	10.39	10.73	10.12	9.51	8.94	—
	26	8.49	8.19	7.95	8.00	8.31	8.32	8.45	9.15	9.33	9.37	9.02	8.27	—
	27	7.90	8.42	8.15	7.91	7.95	8.37	8.85	9.37	9.50	9.42	9.17	8.69	—
	28	8.77	8.29	7.80	8.07	8.25	8.32	8.86	9.12	9.52	9.64	8.72	8.29	—
	29	9.24	8.80	8.46	8.07	8.25	8.66	9.01	9.20	9.35	9.24	8.96	8.34	—
	30	8.06	7.77	7.48	7.30	7.52	8.03	8.69	8.82	8.95	9.11	8.84	7.95	—
	31	7.88	7.48	7.10	6.85	7.01	7.52	7.80	8.47	8.69	8.70	8.34	7.52	—
Hourly Means.		9.14	8.77	8.48	8.41	8.64	8.88	9.35	9.83	10.05	9.96	9.58	8.97	—
Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
M A R C H.	1	8.67	7.96	7.38	6.98	7.22	7.73	8.49	9.16	9.81	9.87	10.03	9.84	9.15
	2	8.58	8.17	7.47	7.43	7.56	8.40	8.83	9.43	9.96	10.64	10.68	10.50	9.15
	3	9.67	9.22	8.82	8.57	8.78	9.08	9.76	10.29	10.83	10.92	11.04	10.98	10.19
	4	9.58	8.88	8.53	8.31	8.33	9.19	9.54	10.11	10.57	11.03	10.87	10.49	10.14
	5	8.86	8.13	7.66	7.32	7.87	8.59	9.63	10.22	10.49	10.77	10.80	10.67	9.65
	6	9.03	8.09	7.74	7.74	8.01	9.00	10.22	10.29	10.53	10.65	10.77	10.35	9.68
	7	8.81	8.11	7.54	7.29	7.42	8.41	9.07	9.58	10.14	10.73	10.72	10.58	9.59
	8	8.73	8.29	7.48	7.24	7.61	8.17	8.95	9.31	9.58	9.82	9.80	9.38	9.06
	9	7.68	6.93	6.82	6.64	6.81	7.09	8.13	9.27	9.60	9.77	9.97	9.69	8.45
	10	7.91	7.39	7.14	6.78	7.01	7.81	8.55	8.30	8.79	9.43	9.34	9.17	8.71
	11	8.16	7.36	6.78	6.51	6.51	7.59	8.38	8.65	9.33	9.85	9.82	9.60	8.62
	12	8.56	7.64	7.03	7.11	7.56	7.90	8.98	9.81	10.29	10.62	10.49	10.18	8.85
	13	8.48	8.17	7.74	7.87	8.32	8.55	8.94	9.60	10.19	10.67	10.83	10.75	9.34
	14	8.59	7.70	7.52	7.42	7.42	7.71	8.39	9.03	9.64	10.12	10.14	9.77	9.35
	15	7.33	6.60	6.05	5.88	6.03	6.54	6.87	7.48	7.77	8.05	8.41	8.14	7.89
	16	7.37	7.02	6.60	6.48	6.51	7.18	7.64	8.31	8.84	9.32	9.62	9.19	7.95
	17	8.43	7.86	7.40	7.28	7.48	8.28	9.41	10.02	10.66	11.04	11.17	10.97	9.14
	18	9.58	8.77	8.21	8.22	8.49	8.98	9.46	9.62	10.08	10.24	10.30	9.84	9.92
	19	7.82	6.94	6.52	6.37	6.54	7.01	7.46	7.80	8.27	8.66	8.59	8.25	8.47
	20	6.80	6.23	5.58	5.45	5.42	6.33	6.78	7.44	8.19	8.62	8.75	8.36	7.38
	21	7.07	6.28	5.86	6.26	7.03	7.88	8.43	9.14	9.72	9.98	9.98	9.58	7.91
	22	8.64	7.56	7.12	6.73	7.31	7.86	8.58	9.33	9.91	10.27	10.17	9.75	8.78
	23	7.92	7.32	6.82	6.63	6.99	7.44	8.15	8.67	9.11	9.58	9.70	9.64	8.68
	24	8.62	7.93	7.42	7.74	8.24	9.04	9.31	9.62	10.14	10.19	10.30	10.19	9.24
	25	8.33	7.64	7.38	7.78	7.00	7.69	8.11	8.70	9.40	9.68	9.30	8.85	8.93
	26	7.48	6.83	6.17	6.91	7.46	8.12	8.56	9.13	9.16	9.28	9.26	8.37	8.32
	27	7.79	7.26	7.24	7.42	7.40	7.98	8.64	9.10	9.70	10.14	9.69	9.27	8.56
	28	7.89	6.94	6.59	6.84	7.47	8.68	9.25	9.50	9.73	10.03	10.39	9.75	8.61
	29	7.55	6.72	6.67	6.82	7.29	7.42	7.27	8.01	8.47	8.78	8.83	8.70	8.25
	30	6.89	6.33	6.71	7.03	7.35	7.57	7.80	8.37	8.86	8.87	8.68	8.53	7.98
	31	6.74	6.62	6.68	6.58	6.69	6.92	7.79	8.67	8.92	8.84	8.30	8.21	7.68
Hourly Means.		8.18	7.51	7.12	7.08	7.33	7.94	8.56	9.10	9.57	9.89	9.89	9.60	8.83

STANDARD THERMOMETER.

Mean Batavia Time.		1 A.M.	2	3	4	5	6	7	8	9	10	11	12	—
MARCH.	1	76.6	76.5	76.1	75.7	74.6	74.5	75.0	77.6	80.2	80.0	82.3	84.5	—
	2	77.7	77.4	77.0	76.4	76.2	76.0	76.2	78.0	80.2	82.4	82.2	83.9	—
	3	76.8	76.2	76.2	76.2	76.1	75.1	74.3	74.2	76.4	77.4	78.9	81.7	—
	4	75.5	75.0	74.3	74.0	73.5	72.7	73.1	77.2	81.2	83.4	84.2	85.8	—
	5	76.4	76.0	75.2	74.7	74.2	74.0	74.3	76.6	79.8	82.5	84.7	85.8	—
	6	75.2	75.2	74.9	74.5	74.2	73.8	74.3	77.6	80.0	82.3	83.9	83.0	—
	7	74.0	74.2	74.0	73.8	73.3	73.0	73.5	75.4	79.1	82.0	82.6	84.0	—
	8	75.2	74.5	74.1	74.2	74.0	74.0	74.3	78.2	81.8	83.7	85.9	84.7	—
	9	76.0	75.6	75.2	74.9	74.5	74.0	74.5	76.4	79.3	81.5	82.8	81.1	—
	10	75.6	75.0	74.6	74.5	74.2	73.9	74.3	77.2	80.5	82.0	84.0	86.2	—
	11	74.1	73.7	73.5	73.5	73.6	73.0	73.6	76.2	79.9	82.3	84.0	84.8	—
	12	76.0	75.8	75.4	74.9	74.4	74.1	74.3	76.5	79.8	82.5	84.3	85.3	—
	13	77.0	76.7	76.1	76.0	75.4	75.0	75.2	77.0	78.8	82.8	84.6	86.8	—
	14	76.5	76.0	75.6	75.4	75.0	74.8	74.8	74.7	75.2	78.2	79.9	81.1	—
	15	75.1	74.4	74.3	74.0	73.7	73.3	73.8	76.2	81.0	84.0	85.5	87.2	—
	16	77.1	76.7	76.4	76.0	75.6	75.5	76.0	78.4	81.9	84.1	85.4	87.0	—
	17	76.0	75.5	75.0	74.4	74.0	73.7	73.7	76.0	80.3	83.6	85.5	86.6	—
	18	76.3	76.0	75.7	75.5	75.5	74.8	75.0	76.1	78.6	82.4	84.1	85.4	—
	19	74.6	74.0	73.6	73.2	73.0	73.0	73.7	77.1	80.2	83.7	85.2	86.9	—
	20	77.0	77.0	77.4	77.0	76.5	76.0	76.3	79.5	82.2	84.0	86.0	87.8	—
	21	75.9	75.4	75.1	74.9	74.5	74.3	75.1	77.5	80.6	83.2	85.8	86.9	—
	22	76.0	75.3	75.0	74.6	73.8	73.1	73.6	76.2	80.6	84.1	85.5	85.0	—
	23	74.3	74.0	73.7	73.1	73.0	72.5	73.0	76.6	80.4	82.2	84.1	84.4	—
	24	76.5	75.2	74.8	74.5	74.2	74.0	74.5	77.2	78.8	81.4	82.6	83.2	—
	25	73.9	73.6	73.6	73.2	72.9	72.9	73.4	75.0	78.0	81.0	83.6	85.5	—
	26	75.2	75.0	74.6	74.3	74.6	74.6	74.6	76.0	78.7	81.2	83.8	84.4	—
	27	75.3	74.5	74.0	73.2	73.2	73.0	73.1	75.9	79.7	81.7	83.6	84.6	—
	28	75.7	75.5	75.0	74.8	74.4	74.0	74.3	76.3	80.0	82.1	84.7	85.0	—
	29	74.2	74.0	73.8	73.7	73.6	73.5	74.0	75.0	77.5	80.2	81.1	81.6	—
	30	72.9	72.6	72.5	72.2	72.1	72.2	72.5	74.2	77.4	80.6	82.8	84.4	—
	31	74.3	74.0	73.5	73.2	73.3	73.0	73.6	76.6	79.4	82.4	84.4	85.4	—
Hourly Means.		75.58	75.18	74.85	74.53	74.23	73.91	74.25	76.54	79.60	82.09	83.81	84.84	—
Mean Batavia Time		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
MARCH.	1	85.4	84.6	84.2	84.1	83.0	82.0	81.1	80.4	79.8	79.0	79.0	78.4	79.78
	2	84.3	83.6	83.4	83.0	82.6	81.6	80.8	79.7	78.5	77.0	76.8	76.8	79.65
	3	82.9	82.7	82.2	82.8	82.1	81.1	80.0	78.1	77.0	76.8	76.5	76.1	78.24
	4	86.0	86.1	85.1	85.0	84.0	83.0	81.8	80.3	78.9	78.4	77.6	77.1	79.72
	5	87.7	86.5	86.3	85.1	84.0	82.9	80.8	75.0	75.0	75.2	75.1	75.0	79.28
	6	80.2	83.9	84.2	83.8	82.0	76.6	74.7	74.7	74.5	74.4	74.4	74.4	77.78
	7	85.4	85.7	85.6	84.5	84.5	83.2	81.0	79.0	78.7	77.4	76.9	76.0	79.03
	8	85.1	82.1	83.9	83.7	83.6	82.6	81.3	80.2	79.3	78.1	77.3	76.4	79.51
	9	82.5	84.8	84.5	84.0	83.0	81.8	80.6	79.6	78.7	77.6	76.8	76.0	78.99
	10	86.2	86.5	84.6	83.5	82.8	82.4	77.8	76.3	75.6	75.6	75.2	74.9	78.89
	11	85.0	84.5	85.0	83.0	82.8	79.5	78.0	77.5	77.3	76.9	76.7	76.2	78.53
	12	82.7	83.4	84.6	83.6	82.6	82.0	80.8	80.0	79.0	78.5	78.0	77.4	79.41
	13	88.6	83.8	79.0	80.1	82.0	80.6	79.6	78.4	78.3	77.9	77.4	76.9	79.33
	14	83.7	83.5	85.3	86.1	85.2	83.0	80.5	78.6	77.5	76.8	76.0	75.6	78.71
	15	88.9	87.8	88.9	88.5	86.0	84.4	82.8	81.0	79.2	78.2	77.6	77.0	80.53
	16	88.2	87.0	87.3	88.5	86.2	84.0	82.5	81.0	79.4	78.3	77.3	76.7	81.10
	17	86.5	86.6	86.0	85.7	85.0	83.5	81.5	80.2	80.0	79.2	78.0	78.0	80.19
	18	85.3	81.8	84.0	83.5	82.6	81.5	78.5	77.6	76.9	76.0	75.6	75.2	79.04
	19	85.8	85.9	85.6	84.9	84.1	83.0	81.7	80.9	79.8	78.7	78.0	77.6	79.76
	20	86.0	86.0	86.2	86.0	85.2	83.9	82.9	81.8	79.7	78.1	77.5	76.3	81.10
	21	84.5	86.0	85.5	85.2	83.6	82.8	82.1	79.7	78.0	77.8	77.5	76.7	79.94
	22	84.2	84.5	85.4	83.6	83.3	82.4	81.0	79.5	77.5	76.8	75.8	75.4	79.26
	23	86.1	87.2	83.6	83.3	83.6	82.6	80.8	80.0	79.8	79.4	78.2	76.8	79.28
	24	85.2	84.6	84.3	82.6	78.0	78.0	77.2	75.3	75.0	74.8	74.5	74.5	77.95
	25	87.5	84.9	84.9	81.0	79.0	78.4	77.8	77.2	76.9	76.5	76.0	75.8	78.02
	26	85.3	86.6	85.4	84.7	80.3	78.2	77.0	76.1	76.4	76.1	76.0	75.5	78.53
	27	85.5	85.1	84.6	81.2	79.8	77.8	77.0	76.5	76.6	76.2	76.2	76.0	78.10
	28	84.6	84.7	85.1	84.6	79.6	75.8	75.2	75.6	75.8	75.0	74.6	74.4	78.20
	29	82.2	83.2	81.8	81.8	75.0	75.2	74.6	74.3	74.1	73.9	73.6	73.2	76.46
	30	86.0	87.0	78.7	75.7	75.9	75.2	75.2	74.9	74.6	74.8	74.7	74.7	76.41
	31	86.6	83.0	77.8	76.8	77.0	76.0	75.9	75.9	75.6	75.4	75.4	74.9	77.23
Hourly Means.		85.29	85.05	84.29	83.55	82.21	80.81	79.44	78.24	77.53	76.93	76.46	76.00	78.97

RELATIVE HUMIDITY OF THE AIR.

SATURATION = 1000.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
M A R C H.	1	940	932	923	931	947	921	939	925	856	848	695	663	—
	2	941	933	941	940	940	948	948	908	826	765	758	700	—
	3	891	890	899	906	915	922	921	921	899	884	816	713	—
	4	931	822	813	820	844	876	894	844	756	677	722	733	—
	5	915	915	930	922	930	930	913	875	818	723	670	655	—
	6	914	922	930	930	930	938	930	852	781	758	741	690	—
	7	965	965	965	965	965	964	956	940	847	715	731	707	—
	8	914	922	930	939	947	947	939	893	792	740	681	743	—
	9	931	931	939	947	956	938	930	906	840	777	759	804	—
	10	931	922	939	947	939	947	939	875	834	751	694	607	—
	11	947	938	929	929	911	937	947	906	818	737	693	702	—
	12	940	948	939	947	965	956	947	890	841	787	708	659	—
	13	941	948	948	940	948	947	957	916	854	774	702	665	—
	14	948	948	948	940	947	947	947	930	931	821	856	820	—
	15	922	921	913	912	929	929	903	874	805	675	666	599	—
	16	900	916	924	923	931	931	931	893	764	680	672	616	—
	17	915	923	930	930	930	921	912	899	811	706	661	614	—
	18	923	940	948	931	940	947	939	915	822	793	727	659	—
	19	913	930	938	955	946	946	930	867	789	673	628	597	—
	20	916	916	916	907	916	923	906	840	751	701	636	625	—
	21	923	931	930	922	947	947	939	884	820	719	643	616	—
	22	873	898	888	897	895	911	895	825	733	656	628	684	—
	23	930	930	938	946	946	937	929	875	804	710	695	643	—
	24	957	966	956	965	965	973	965	949	878	828	745	739	—
	25	947	946	946	946	955	946	956	930	869	791	728	687	—
	26	939	939	939	939	939	947	939	906	854	806	728	716	—
	27	905	913	930	955	946	946	946	873	810	763	714	684	—
	28	931	931	939	939	939	947	930	866	804	764	683	738	—
	29	939	938	938	929	946	956	947	939	892	842	820	814	—
	30	964	955	955	946	955	964	964	947	892	820	746	716	—
	31	956	947	947	938	938	955	947	907	847	787	722	705	—
Hourly Means.		929	928	931	932	937	940	935	896	827	757	712	688	—
Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
M A R C H.	1	627	668	707	715	724	757	798	825	870	878	894	933	830
	2	728	734	733	752	716	762	819	855	853	875	883	874	839
	3	760	766	778	759	764	827	871	876	866	891	906	915	857
	4	674	662	677	665	693	724	777	825	870	893	907	907	792
	5	618	702	721	745	783	816	811	863	888	905	914	922	829
	6	872	680	707	720	763	890	921	939	917	947	947	947	858
	7	705	680	705	694	675	739	835	862	869	900	907	906	840
	8	710	829	749	748	727	773	850	887	878	901	900	924	844
	9	764	730	736	706	752	799	857	894	894	908	924	931	856
	10	667	618	682	739	744	778	884	890	923	923	939	947	836
	11	744	762	695	746	752	870	933	933	941	949	948	948	859
	12	822	810	764	740	801	844	880	895	909	918	933	925	865
	13	628	796	854	864	822	850	902	926	933	942	932	911	872
	14	761	754	620	588	602	690	804	854	875	891	915	915	844
	15	575	631	569	549	662	736	766	819	878	869	900	924	789
	16	584	685	569	499	649	707	773	820	863	869	892	899	787
	17	695	696	693	647	657	712	791	841	871	863	845	845	805
	18	671	690	727	719	737	756	837	852	866	890	898	897	834
	19	687	674	661	664	687	732	785	827	864	894	908	900	808
	20	661	687	681	687	711	741	794	837	840	861	876	915	802
	21	716	694	679	725	726	745	793	832	836	844	867	857	814
	22	700	694	672	699	718	764	805	863	892	921	931	931	807
	23	648	622	692	684	699	744	819	848	855	863	901	924	816
	24	718	713	728	759	884	892	883	922	930	930	939	930	881
	25	618	736	722	826	862	868	884	907	916	932	910	940	867
	26	667	658	603	657	818	807	866	906	899	899	906	914	841
	27	680	677	695	760	772	836	883	882	891	915	915	923	842
	28	702	683	666	696	870	915	947	948	948	939	956	930	859
	29	772	761	807	822	897	905	922	930	938	938	938	955	895
	30	694	664	807	914	923	930	939	947	939	947	965	956	894
	31	677	766	867	906	883	884	881	899	915	914	898	930	875
Hourly Means.		695	708	709	722	757	800	849	878	892	904	914	920	840

DIRECTION OF THE WIND.

Mean Batavia Time.	1 A. M.	2	3	4	5	6	7	8	9	10	11	12
MARCH.	1	C	C	C	C	C	C	N	C	C	N	NNE
	2	C	C	C	C	C	C	N	C	C	N	N
	3	N	C	C	N	N	NNE	ENE	C	C	ENE	NE
	4	C	C	C	C	C	C	NNE	E	E	ENE	ENE
	5	C	C	C	C	C	C	NE	NNE	NNE	ENE	E
	6	C	WNW	WNW	C	C	C	WNW	WNW	WNW	WNW	NNW
	7	C	C	C	C	C	C	C	SSE	SE	E	NE
	8	C	C	C	C	C	C	ENE	ENE	ENE	ENE	NE
	9	C	C	C	C	NNE	C	NNE	ENE	ENE	E	NE
	10	C	C	C	C	C	C	C	ENE	ENE	ENE	ENE
	11	C	C	C	C	C	C	SE	ESE	E	E	E
	12	C	C	C	C	C	C	E	E	ESE	E	ENE
	13	C	C	C	C	C	C	C	NNE	NNE	ENE	E
	14	C	C	C	C	C	NE	ENE	ENE	ENE	E	E
	15	C	ENE	C	C	C	C	ENE	ENE	ENE	ENE	ENE
	16	C	C	C	C	C	C	C	ENE	ENE	ESE	E
	17	C	C	C	C	C	C	C	NE	NE	ENE	ENE
	18	C	C	C	C	C	C	C	NNE	C	NNE	NNE
	19	C	C	C	C	C	C	C	C	NW	NW	ENE
	20	C	C	C	C	C	C	NNE	NE	E	ESE	ESE
	21	C	C	C	C	C	C	C	C	NE	ESE	E
	22	C	C	C	C	C	C	ENE	ENE	ENE	E	ENE
	23	C	C	C	C	C	C	C	C	NNE	NNE	NE
	24	NNE	NNE	NNE	C	C	C	C	C	NNE	NNE	N
	25	C	C	C	C	C	C	C	SW	SW	SW	SW
	26	C	C	C	C	C	C	C	C	C	W	NE
	27	C	C	C	C	C	C	C	NW	NW	WNW	NW
	29	C	C	C	C	C	C	C	WNW	WNW	WNW	NW
	29	C	C	C	C	C	C	C	W	W	WSW	WSW
	30	C	C	C	C	C	C	C	SW	WSW	WNW	WNW
	31	C	C	C	C	C	C	SSE	SSW	SW	WNW	WNW
Mean Batavia Time.	1 P. M.	2	3	4	5	6	7	8	9	10	11	12
MARCH.	1	NE	N	NNE	NNE	N	N	C	C	C	C	C
	2	NNE	NNE	N	N	NNE	N	N	N	N	N	N
	3	N	N	NNE	NNE	NNE	NNE	C	NNE	C	C	C
	4	NNE	NNE	N	NNE	NNE	NNE	C	C	C	C	C
	5	ENE	NNE	NNE	NNE	NNE	NNE	N	WNW	WNW	C	C
	6	NNW	NNE	N	NNE	ESE	S	SSE	SSE	SSE	C	C
	7	NE	NNE	NNE	NNE	NNE	NNE	NE	C	NE	ENE	ENE
	8	NE	NE	NNE	NE	NNE	NNE	C	NNE	NNE	NNE	NNE
	9	NE	NE	NE	NE	NE	NE	C	NE	ENE	ENE	ENE
	10	NE	NNE	NNE	NNE	NNE	NNE	SE	SE	C	C	C
	11	NNE	NNE	NE	N	NNE	E	C	C	C	C	C
	12	ENE	NE	NNE	NNE	NNE	NNE	C	C	C	C	C
	13	E	N	NE	NE	NE	NE	C	C	C	C	C
	14	E	ENE	NE	ENE	ENE	ENE	C	C	C	C	C
	15	E	E	ENE	ENE	NE	NE	NE	C	C	C	C
	16	E	NNE	NE	ENE	NE	NE	NE	C	C	C	C
	17	N	NNE	NNE	NNE	NNE	NNE	C	C	C	C	C
	18	N	NNE	N	N	NNW	NNW	NW	NW	C	C	C
	19	NE	NNE	NNE	NNE	NNE	NNE	NNE	C	C	NNE	C
	20	NE	NE	NNE	NNE	NE	NE	C	C	NE	C	C
	21	NE	NNE	NNE	NNE	NE	NE	C	NE	NE	NE	ENE
	22	E	ENE	NE	NE	N	N	C	N	C	C	C
	23	NE	N	NNE	NNE	N	N	C	C	C	N	N
	24	NNW	NNW	NNW	NW	SW	SW	SSW	SSW	SSW	C	C
	25	SW	NW	NW	W	C	C	C	C	C	C	C
	26	NE	NNE	NNE	N	NNW	C	C	NW	C	C	C
	27	N	N	N	WNW	WNW	C	WNW	C	C	C	C
	28	NNW	NW	NW	NW	SW	SSW	C	C	W	W	W
	29	WSW	WSW	N	NW	SW	SW	C	C	C	C	C
	30	WNW	WSW	SSW	SSE	SSE	SSE	C	C	C	C	C
	31	WNW	SW	SW	SW	SW	SW	C	C	C	C	C

VELOCITY OF THE WIND IN KILOMETERS PER HOUR.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
M A R C H.	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	0.0	0.0	5.6	8.9	—
	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	1.6	5.6	12.9	—
	3	0.8	0.0	0.0	0.8	4.0	4.8	1.6	3.2	0.0	0.0	2.4	5.6	—
	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	7.2	8.0	5.6	8.9	—
	5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	2.4	4.8	9.7	6.4	—
	6	0.0	1.6	0.8	0.0	0.0	0.0	0.8	0.8	0.8	1.6	2.4	4.8	—
	7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	3.2	4.8	8.0	—
	8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	4.8	8.9	10.5	8.9	—
	9	0.0	0.0	0.0	0.0	0.8	0.0	0.0	2.4	5.6	10.5	10.5	16.1	—
	10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	5.6	6.4	9.7	—
	11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	6.4	4.8	8.0	8.0	—
	12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	6.4	7.2	8.0	8.0	—
	13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	4.8	9.7	10.5	—
	14	0.0	0.0	0.0	0.0	0.0	1.6	4.0	1.6	5.6	9.7	5.6	4.8	—
	15	0.0	0.8	0.0	0.0	0.0	0.0	1.6	1.6	6.4	9.7	10.5	10.5	—
	16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.8	10.5	10.5	8.0	—
	17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	3.2	4.8	8.0	8.0	—
	18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.0	0.8	3.2	9.7	—
	19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	4.8	8.0	8.0	—
	20	0.0	0.0	0.0	0.0	0.0	0.0	1.6	4.0	8.0	11.3	13.7	14.5	—
	21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	4.0	7.2	9.7	—
	22	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.6	3.2	7.2	8.9	15.3	—
	23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	2.4	3.2	3.2	—
	24	3.2	3.2	1.6	0.0	0.0	0.0	0.0	0.0	1.6	2.4	4.0	7.2	—
	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	2.4	3.2	3.2	2.4	—
	26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	4.8	4.8	—
	27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	4.0	4.0	4.0	4.8	—
	28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	4.8	5.6	9.7	—
	29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	2.4	3.2	1.6	1.6	—
	30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	2.4	4.0	4.8	4.8	—
	31	0.0	0.0	0.0	0.0	0.0	0.0	0.8	3.2	4.0	4.8	5.6	5.6	—
Hourly Means.		0.13	0.18	0.08	0.03	0.15	0.21	0.36	1.14	2.97	4.95	6.50	8.04	—
Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
M A R C H.	1	12.1	13.7	16.1	13.7	8.0	3.2	0.8	0.0	0.0	0.0	0.0	0.0	3.49
	2	15.3	14.5	18.5	12.9	12.1	4.8	0.8	0.8	4.0	1.6	0.8	1.6	4.56
	3	12.1	13.7	14.5	14.5	9.7	1.6	0.0	0.8	0.8	0.0	0.0	0.0	3.79
	4	8.0	12.1	10.5	8.9	8.9	5.6	1.6	0.0	0.0	0.0	0.0	0.0	3.59
	5	8.0	12.9	14.5	18.5	11.3	4.0	4.0	3.2	1.6	1.6	0.0	0.0	4.35
	6	4.8	12.1	10.5	5.6	8.0	6.4	3.2	0.8	0.8	0.8	0.0	0.0	2.78
	7	8.9	10.5	10.5	9.7	8.0	2.4	1.6	0.0	0.8	1.6	1.6	1.6	3.12
	8	9.7	9.7	12.9	12.1	8.9	2.4	0.0	2.4	0.8	0.8	0.8	0.8	3.97
	9	12.1	13.7	16.1	13.7	8.9	4.8	0.0	0.8	0.8	0.8	0.8	0.8	4.97
	10	12.1	14.5	14.5	9.7	2.4	1.6	7.2	0.8	0.0	0.0	0.0	0.0	3.59
	11	14.5	14.5	16.1	10.5	10.5	3.2	1.6	0.0	0.0	0.0	0.0	0.0	4.19
	12	1.6	7.2	12.9	8.9	2.4	0.8	0.0	0.0	0.0	0.0	0.0	0.0	2.71
	13	9.7	6.4	3.2	1.6	3.2	0.8	0.0	0.0	0.0	0.0	0.0	0.0	2.11
	14	8.9	6.4	12.1	16.9	12.1	2.4	0.0	0.0	0.0	0.0	0.0	0.0	3.82
	15	11.3	8.0	15.3	14.5	11.3	3.2	0.8	0.0	0.0	0.0	0.0	0.0	4.40
	16	10.5	10.5	9.7	13.7	14.5	8.0	2.4	0.8	0.0	0.0	0.0	0.0	4.33
	17	13.7	14.5	15.3	14.5	12.1	4.0	0.0	0.0	0.0	0.0	0.0	0.0	4.12
	18	10.5	12.1	10.5	10.5	6.4	1.6	1.6	0.8	0.0	0.0	0.0	0.0	2.85
	19	12.1	13.7	14.5	15.3	14.5	5.6	0.8	0.0	0.0	0.0	0.8	0.0	4.12
	20	9.7	15.3	13.7	14.5	12.9	4.0	0.0	0.0	0.8	0.0	0.0	0.0	5.17
	21	11.3	15.3	18.5	18.5	14.5	4.8	0.0	1.6	0.8	0.8	0.8	2.4	4.66
	22	15.3	8.9	8.9	8.0	5.6	0.8	0.0	0.8	0.0	0.0	0.0	0.0	3.55
	23	7.2	10.5	10.5	8.0	6.4	1.6	0.0	0.0	0.0	0.0	1.6	0.8	2.38
	24	8.0	12.1	12.9	5.6	2.4	4.8	4.0	1.6	0.8	0.0	0.0	0.0	3.14
	25	1.6	8.9	11.3	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.54
	26	4.8	11.3	12.9	3.2	1.6	0.0	0.0	0.8	0.0	0.0	0.0	0.0	1.88
	27	10.5	12.9	9.7	1.6	0.8	0.0	1.6	0.0	0.0	0.0	0.0	0.0	2.28
	28	12.1	12.9	9.7	10.5	5.6	1.6	0.0	0.0	4.8	1.6	0.8	0.8	3.49
	29	2.4	4.8	8.0	6.4	2.4	0.8	0.0	0.0	0.0	0.0	0.0	0.0	1.43
	30	4.0	8.0	12.9	1.6	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0	1.90
	31	9.7	10.5	4.8	4.0	3.2	1.6	0.0	0.0	0.0	0.0	0.0	0.0	2.41
Hourly Means.		9.44	11.36	12.32	10.03	7.40	2.81	1.03	0.52	0.54	0.31	0.26	0.28	3.38

CLOUDS.

CLEAR = 0. — OVERCAST = 10.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
MARCH.	1	6	4	6	6	4	4	3	4	7	6	5	3	—
	2	7	9	6	8	7	8	8	7	5	7	6	5	—
	3	8	9	9	8	10	10	10	9	9	10	10	6	—
	4	2	7	9	7	5	6	2	1	1	2	5	3	—
	5	2	3	2	2	3	4	6	9	9	7	7	5	—
	6	5	2	1	2	1	3	2	4	9	8	8	9	—
	7	5	2	2	1	2	4	3	2	1	1	2	0	—
	8	3	2	4	1	2	3	4	3	5	5	7	8	—
	9	3	3	5	2	5	5	8	7	6	6	8	10	—
	10	3	2	2	1	2	3	7	5	5	7	7	6	—
	11	6	6	6	6	4	6	4	3	2	2	4	7	—
	12	3	3	2	2	4	3	2	1	2	1	4	6	—
	13	5	6	4	5	4	7	7	7	6	6	6	7	—
	14	5	3	3	5	6	7	10	10	7	8	8	8	—
	15	2	3	6	7	4	3	6	5	3	4	4	3	—
	16	4	6	6	4	6	5	7	6	5	4	5	6	—
	17	3	2	2	1	2	5	4	2	1	0	2	1	—
	18	10	10	8	7	7	9	8	6	6	8	8	7	—
	19	2	2	1	3	2	2	1	1	2	3	2	2	—
	20	5	8	6	3	4	6	5	8	5	5	5	6	—
	21	6	4	6	4	6	4	10	9	7	5	6	7	—
	22	8	8	7	7	5	7	3	1	2	4	3	4	—
	23	2	1	1	2	1	3	3	4	4	5	7	6	—
	24	10	10	10	9	7	7	7	7	8	8	7	7	—
	25	3	4	6	7	9	10	9	9	7	5	6	7	—
	26	6	4	4	6	7	6	9	8	7	7	8	7	—
	27	9	8	6	4	4	6	6	4	2	6	4	8	—
	28	8	9	9	6	3	4	9	6	6	7	7	8	—
	29	9	9	9	9	9	10	10	10	9	7	9	9	—
	30	4	3	2	3	4	5	9	9	7	5	5	6	—
	31	6	7	6	6	6	4	3	2	3	3	5	8	—
Hourly Means.		5.2	5.1	5.0	4.6	4.7	5.5	6.0	5.5	5.1	5.2	5.8	6.0	—
Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
MARCH.	1	3	2	5	5	5	6	2	4	8	7	9	7	5.0
	2	5	6	4	5	4	6	3	3	9	5	6	9	6.2
	3	6	7	8	4	4	5	3	2	7	6	4	3	7.0
	4	5	2	2	1	1	2	3	1	2	2	1	2	3.1
	5	6	3	2	1	4	9	10	9	6	4	4	4	5.0
	6	7	5	5	7	9	10	10	10	10	10	9	6	6.3
	7	3	3	4	3	3	9	7	7	6	7	4	5	3.6
	8	2	9	1	2	0	2	5	4	3	1	1	2	3.3
	9	8	8	7	7	7	9	6	6	9	9	4	6	6.4
	10	7	4	8	7	8	8	10	7	7	5	4	4	5.4
	11	7	5	7	7	8	9	10	10	7	4	3	4	5.7
	12	9	8	7	7	9	9	9	9	9	7	5	7	5.3
	13	6	9	10	6	9	6	5	7	8	4	4	5	6.2
	14	8	9	6	6	4	4	6	4	6	6	6	4	6.2
	15	3	1	1	1	2	4	2	2	1	0	1	2	2.9
	16	5	6	5	3	3	6	2	1	0	1	1	3	4.2
	17	3	3	2	2	3	5	1	7	8	5	9	10	3.5
	18	8	4	5	7	4	4	3	3	4	2	3	3	6.0
	19	3	3	2	2	2	4	6	1	2	3	6	4	2.7
	20	7	3	4	5	6	6	7	6	6	6	5	5	5.5
	21	6	7	9	9	9	9	9	10	10	10	6	7	7.3
	22	8	7	9	6	7	7	5	7	10	9	7	5	6.1
	23	7	4	9	6	4	2	5	8	8	9	10	10	5.0
	24	6	7	7	9	9	10	7	9	6	6	4	3	7.5
	25	5	5	6	9	8	7	5	5	8	8	10	10	7.0
	26	7	7	5	9	9	6	9	8	9	9	7	9	7.2
	27	7	8	10	10	9	9	9	10	9	9	9	9	7.3
	28	6	4	5	1	10	10	10	10	10	8	9	7	7.2
	29	9	10	10	10	10	10	9	6	7	6	7	6	8.7
	30	7	9	10	10	10	10	10	10	10	10	8	8	7.3
	31	8	9	10	10	9	9	7	8	7	7	5	3	6.3
Hourly Means.		6.0	5.7	6.0	5.7	6.1	6.8	6.3	6.4	6.8	6.0	5.5	5.5	5.69

BAROMETRIC PRESSURE.

BAROMETER AT 0° C = 750 MILLIMETRES + THE NUMBERS IN THE TABLE.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
A P R I L.	1	7.13	7.05	6.71	6.73	6.63	6.95	7.58	7.65	7.98	7.80	7.28	6.52	—
	2	6.80	6.17	6.14	6.26	6.28	6.75	6.77	7.30	7.41	7.10	6.75	6.02	—
	3	6.51	6.02	5.85	5.80	5.91	6.07	6.88	7.36	7.75	7.71	7.00	6.64	—
	4	7.34	6.80	6.61	6.42	6.54	6.66	7.58	8.27	8.87	8.75	8.41	7.55	—
	5	7.57	7.14	6.56	6.17	6.19	6.81	7.19	7.40	7.80	7.73	7.51	6.61	—
	6	7.82	7.09	6.86	6.78	7.00	7.23	7.88	8.66	8.70	8.68	8.50	7.79	—
	7	8.01	7.79	7.75	7.76	7.97	8.27	9.04	9.60	10.03	10.15	9.70	9.03	—
	8	9.27	8.92	8.84	8.70	8.81	9.08	9.55	10.13	10.45	10.38	10.25	9.74	—
	9	10.25	9.70	9.52	9.30	9.40	10.06	10.49	10.61	10.55	10.12	9.71	8.91	—
	10	9.53	9.05	8.61	8.72	8.82	9.24	9.84	10.16	10.35	10.37	9.89	8.86	—
	11	8.82	8.32	8.22	8.22	8.27	8.85	9.24	9.77	9.99	9.87	9.42	8.62	—
	12	8.45	8.17	8.00	8.01	7.93	8.30	8.77	9.15	9.34	9.27	8.87	8.09	—
	13	9.01	8.62	8.80	8.42	8.66	9.18	9.30	9.44	9.45	9.01	8.67	8.34	—
	14	9.69	9.32	9.32	9.43	9.88	10.30	10.60	10.77	10.83	10.68	10.41	9.74	—
	15	9.69	9.04	9.05	9.12	9.38	9.88	10.06	10.28	10.40	10.32	9.64	8.93	—
	16	8.70	8.41	8.24	8.02	8.40	8.67	9.01	9.35	9.52	9.59	9.13	8.64	—
	17	8.91	8.75	8.59	8.42	8.60	8.85	9.05	9.32	9.55	9.63	8.95	8.24	—
	18	8.56	8.31	8.02	8.04	8.21	8.37	8.76	9.37	9.47	9.21	8.69	7.99	—
	19	8.87	8.35	7.98	7.95	8.15	8.45	9.37	9.83	9.88	9.82	9.49	8.93	—
	20	9.07	8.84	8.64	8.55	8.57	9.13	9.68	10.03	10.13	9.85	9.41	8.75	—
	21	8.86	8.64	8.35	8.46	8.83	8.88	9.46	10.15	10.10	9.97	9.67	8.90	—
	22	9.45	8.75	8.77	8.70	8.81	9.06	9.54	9.80	10.24	10.07	9.50	8.80	—
	23	9.02	8.95	8.35	8.42	8.80	9.01	9.46	9.88	10.09	9.97	9.57	8.87	—
	24	8.92	8.82	8.54	8.71	9.02	9.10	9.50	9.91	10.23	9.97	9.63	9.04	—
	25	9.19	9.10	8.51	8.39	8.41	8.72	9.08	9.40	9.74	9.56	9.11	8.47	—
	26	7.76	7.64	7.26	7.47	7.54	8.12	8.57	8.62	8.84	8.80	8.44	7.68	—
	27	6.69	6.50	6.21	6.22	6.64	6.95	7.32	7.65	7.79	7.90	7.58	6.73	—
	28	7.95	7.40	7.21	7.07	7.22	7.88	8.45	8.83	9.07	9.45	9.05	8.23	—
	29	7.66	7.56	7.32	7.22	7.34	7.75	8.08	8.51	8.87	8.79	8.18	7.44	—
	30	7.75	7.11	6.82	6.85	7.01	7.23	7.60	7.85	8.24	8.13	7.52	6.66	—
Hourly Means.		8.44	8.08	7.86	7.81	7.97	8.33	8.79	9.17	9.39	9.29	8.86	8.16	—
Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
A P R I L.	1	5.81	5.04	4.74	5.26	5.20	5.53	6.45	6.89	7.59	7.72	7.51	7.04	6.70
	2	5.28	4.64	4.44	4.48	4.74	5.24	5.76	6.30	6.57	6.76	6.87	6.80	6.15
	3	6.12	5.42	4.75	4.63	4.75	4.92	5.56	6.59	7.03	7.64	7.66	7.47	6.34
	4	6.67	5.76	4.87	4.87	5.38	6.02	6.52	7.22	8.00	8.43	8.26	7.94	7.07
	5	6.00	5.27	5.23	5.36	5.63	6.40	7.37	7.90	8.15	8.16	8.36	8.11	6.94
	6	6.99	6.34	6.08	5.98	6.19	7.01	7.68	8.19	8.69	9.25	9.43	8.77	7.65
	7	8.52	7.65	7.55	7.85	7.87	8.64	9.00	9.53	9.79	9.65	9.73	9.63	8.77
	8	8.75	8.56	8.08	7.98	8.13	8.75	9.51	9.85	10.37	10.72	10.74	10.61	9.43
	9	8.18	7.46	6.84	6.63	7.67	8.09	8.85	9.47	9.75	10.19	10.28	9.98	9.25
	10	8.08	7.38	6.81	6.83	7.46	7.69	7.95	8.50	8.77	9.22	9.35	9.12	8.78
	11	7.85	7.43	6.93	7.14	7.45	7.75	8.27	8.81	9.07	9.20	9.31	9.17	8.58
	12	7.34	6.44	6.24	5.79	6.51	7.01	7.84	9.06	9.21	9.33	9.48	9.53	8.17
	13	7.67	7.06	6.71	6.69	6.91	7.44	8.47	9.19	9.82	10.24	10.25	10.01	8.64
	14	9.03	8.47	7.98	7.74	7.97	8.23	8.55	9.13	9.72	9.88	9.84	9.92	9.48
	15	8.36	7.41	7.01	6.91	7.22	7.43	7.83	8.24	8.94	9.40	9.43	9.30	8.89
	16	7.53	7.03	6.43	6.51	6.73	7.33	8.07	8.59	9.26	9.59	9.58	9.42	8.41
	17	7.53	6.93	6.38	6.04	7.08	7.39	8.08	8.75	8.98	9.24	9.28	9.16	8.40
	18	7.33	6.78	6.28	6.31	6.71	7.33	7.89	8.74	9.57	9.52	9.16	9.09	8.24
	19	7.94	7.37	6.97	6.57	7.13	7.89	8.00	8.74	9.25	9.61	9.48	9.26	8.55
	20	7.97	7.36	7.03	7.41	7.96	8.19	8.66	9.54	9.88	10.12	9.89	9.60	8.93
	21	8.18	7.51	6.83	6.78	7.37	7.90	8.63	9.53	9.91	10.18	9.92	9.78	8.87
	22	8.32	8.05	7.52	7.57	7.74	7.87	8.21	8.69	9.11	9.58	9.75	9.18	8.89
	23	8.29	7.73	7.37	7.36	7.69	8.06	8.76	9.20	9.74	9.17	9.49	9.17	8.86
	24	8.07	7.47	7.28	7.06	7.16	7.52	7.82	8.65	8.98	9.35	9.53	9.38	8.74
	25	7.76	7.16	6.33	6.08	6.16	6.38	6.93	7.78	8.18	8.25	8.31	8.43	8.14
	26	6.69	6.04	5.28	5.00	5.12	5.53	6.08	6.64	6.93	7.15	7.39	7.07	7.15
	27	6.61	5.81	5.84	5.89	6.60	6.93	7.24	7.72	8.16	8.24	8.31	8.34	7.08
	28	7.04	6.58	6.12	6.03	6.33	6.57	7.21	7.68	8.30	8.40	8.35	8.12	7.69
	29	6.37	5.73	5.57	5.56	5.84	6.51	7.50	8.12	8.65	8.85	8.64	8.06	7.51
	30	5.81	5.23	4.86	5.15	5.38	5.52	6.48	7.42	7.65	7.54	7.19	7.04	6.85
Hourly Means.		7.40	6.77	6.35	6.32	6.67	7.10	7.71	8.36	8.80	9.03	9.04	8.83	8.11

STANDARD THERMOMETER.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
A P R I L.	1	74.6	74.3	73.8	73.4	73.4	73.2	73.5	74.6	77.8	81.3	84.0	85.6	—
	2	75.7	75.2	74.7	74.0	73.8	74.0	74.0	75.8	79.2	82.0	83.8	85.2	—
	3	75.8	75.5	75.4	75.4	75.2	75.0	75.5	76.8	78.5	80.0	81.9	82.9	—
	4	76.3	75.7	75.4	75.0	74.8	74.2	74.6	76.0	77.4	81.0	80.5	83.0	—
	5	76.5	76.0	75.5	75.4	74.7	74.4	75.3	78.5	80.1	83.7	86.1	87.9	—
	6	75.1	74.8	74.4	74.1	75.0	75.2	75.5	77.7	80.2	82.6	83.8	84.2	—
	7	75.7	75.2	75.2	75.2	75.0	75.2	75.4	76.1	78.1	79.3	81.1	83.3	—
	8	75.0	75.0	74.9	74.8	74.5	74.0	74.3	75.8	78.6	81.2	82.3	83.5	—
	9	76.2	75.4	75.2	74.9	74.5	74.6	75.0	76.0	79.0	82.4	84.0	85.4	—
	10	75.0	74.6	74.2	74.4	74.4	74.4	75.0	76.3	79.7	82.4	84.8	87.0	—
	11	75.7	75.9	75.6	75.7	75.5	75.3	75.9	76.2	77.5	79.0	81.6	84.0	—
	12	74.3	74.0	73.7	73.5	72.9	72.5	73.5	76.5	79.9	82.1	84.0	85.6	—
	13	76.4	75.8	75.3	74.7	74.0	74.0	74.8	77.4	80.2	83.0	84.8	86.3	—
	14	73.0	72.6	72.6	72.4	71.6	71.2	71.7	74.0	78.8	82.0	83.4	84.1	—
	15	74.8	74.4	74.2	74.0	73.2	72.3	72.6	74.4	78.9	82.5	84.3	86.1	—
	16	77.0	76.2	75.8	75.4	75.0	74.5	75.2	78.2	82.3	84.0	85.1	85.6	—
	17	75.8	75.4	74.8	73.7	73.1	72.5	72.9	75.4	80.6	82.7	84.0	86.4	—
	18	76.4	76.2	76.0	75.6	75.2	75.0	75.4	78.4	82.0	84.0	84.8	86.9	—
	19	73.7	73.4	73.1	73.0	73.0	72.6	73.4	75.0	79.8	83.0	83.6	85.2	—
	20	75.0	74.8	74.8	74.3	73.9	73.0	73.5	76.0	79.5	83.0	83.1	84.0	—
	21	73.8	73.4	73.2	73.2	73.0	72.8	73.4	75.6	79.5	81.9	83.6	84.6	—
	22	76.1	75.4	75.2	75.4	75.2	75.0	75.0	75.7	76.6	77.8	79.7	82.7	—
	23	76.4	75.9	75.4	74.9	74.5	74.4	74.8	76.8	80.0	82.5	83.2	83.6	—
	24	74.6	74.0	73.4	73.1	72.7	72.7	73.5	76.8	79.2	81.0	82.4	84.0	—
	25	75.3	75.0	74.6	74.3	73.8	73.6	74.6	77.0	80.4	83.6	84.5	85.6	—
	26	77.5	76.3	76.3	76.0	75.5	75.2	74.6	75.0	77.0	79.0	79.5	78.6	—
	27	75.8	75.1	74.7	74.5	74.3	74.0	74.3	77.9	81.0	83.4	85.0	85.8	—
	28	74.8	74.8	74.7	74.7	74.4	74.1	74.2	75.3	77.1	78.3	80.0	81.2	—
	29	75.4	75.4	75.0	74.7	74.5	74.4	74.8	75.8	81.0	82.0	82.6	83.0	—
	30	76.0	75.6	75.0	74.4	73.6	73.0	73.4	76.2	79.7	83.4	85.3	87.2	—
Hourly Means.		75.46	75.04	74.74	74.47	74.14	73.88	74.32	76.24	79.32	81.80	83.23	84.62	—
Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
A P R I L.	1	87.4	86.9	83.9	81.6	83.0	80.6	79.4	78.6	78.0	77.0	77.0	76.4	78.72
	2	83.1	82.6	78.5	79.5	79.6	78.8	78.0	77.5	77.2	76.8	76.2	76.0	77.97
	3	83.0	83.5	82.6	82.1	81.8	81.0	79.6	78.5	77.7	76.8	76.3	76.6	78.64
	4	83.5	84.3	84.5	84.2	84.0	82.8	81.2	80.3	79.7	78.8	78.0	77.1	79.26
	5	88.0	88.0	76.8	78.7	77.0	76.8	76.2	75.6	75.7	75.5	75.4	75.3	78.46
	6	85.5	86.6	87.0	86.4	85.0	81.0	79.8	79.0	78.2	77.4	76.7	76.4	79.65
	7	84.0	84.0	83.4	79.7	79.0	77.5	76.5	76.4	76.0	75.5	75.5	75.4	77.82
	8	85.3	85.3	81.3	82.4	82.7	81.4	79.1	78.3	77.7	77.1	76.4	76.4	78.64
	9	85.6	85.4	85.1	84.6	82.8	78.2	76.9	76.2	75.9	75.3	75.7	75.3	78.73
	10	86.4	87.5	87.0	84.4	77.6	77.0	77.0	76.8	77.3	76.9	75.8	75.6	78.81
	11	84.2	81.9	78.6	78.0	77.5	77.4	76.8	76.0	75.8	75.4	75.0	74.9	77.48
	12	87.0	86.9	86.5	85.4	84.3	82.9	81.6	80.4	79.0	77.5	77.0	76.6	79.48
	13	86.8	86.1	85.7	84.8	83.4	82.2	76.7	73.0	73.6	73.9	73.6	73.3	78.74
	14	86.0	85.2	85.0	84.6	83.7	82.0	80.2	78.8	78.0	77.8	76.5	75.1	78.35
	15	86.0	87.0	86.0	85.0	84.0	82.7	81.1	79.8	78.9	78.2	78.0	77.8	79.43
	16	86.1	86.4	86.0	85.0	83.9	82.6	82.0	81.6	80.4	79.4	78.0	76.8	80.52
	17	87.5	85.6	86.0	85.0	84.6	82.7	79.6	78.3	76.4	76.0	76.0	76.3	79.22
	18	86.3	85.0	86.4	85.2	84.6	83.2	82.2	81.3	77.5	75.5	74.6	74.1	80.08
	19	85.5	85.3	84.8	84.4	84.0	78.3	76.9	76.6	76.2	76.1	75.8	75.6	78.26
	20	86.4	86.0	85.0	85.0	80.0	76.4	76.0	75.6	75.1	74.7	74.5	74.2	78.08
	21	85.3	83.1	84.4	82.9	83.4	82.3	81.0	80.0	79.0	78.8	78.0	77.4	78.90
	22	83.3	83.5	82.5	82.1	81.9	81.0	79.9	79.0	78.0	77.6	77.2	77.0	78.45
	23	83.4	84.2	85.3	81.5	79.8	78.1	76.7	76.5	75.6	75.0	75.0	74.7	78.26
	24	85.4	84.5	82.8	83.4	82.4	81.6	80.0	78.9	77.8	76.5	76.2	75.8	78.45
	25	86.2	85.4	85.4	84.8	84.1	83.0	81.4	80.4	80.0	79.4	79.2	78.0	79.98
	26	81.4	82.6	84.2	84.0	83.4	81.6	80.0	78.8	78.0	77.2	76.8	76.0	78.52
	27	81.0	83.6	83.9	83.7	79.5	77.5	76.9	76.4	76.1	75.4	75.1	75.0	78.33
	28	81.2	80.2	81.3	82.4	82.2	81.2	80.0	79.6	78.5	77.3	76.4	75.6	77.90
	29	85.7	84.9	85.4	85.0	84.4	83.0	81.1	80.0	79.0	78.0	77.1	76.6	79.53
	30	87.0	87.0	87.0	85.8	85.0	83.5	82.5	82.0	81.0	79.9	78.5	78.0	80.42
Hourly Means.		85.12	84.95	84.08	83.39	82.29	80.61	79.21	78.34	77.58	76.89	76.38	75.98	78.81

RELATIVE HUMIDITY OF THE AIR.

SATURATION = 1000.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
A P R I L.	1	922	921	947	947	920	929	911	913	798	749	715	680	—
	2	923	922	930	947	947	956	956	906	847	758	687	678	—
	3	948	957	957	957	966	974	957	883	838	818	742	738	—
	4	890	889	889	913	930	938	930	915	852	748	842	759	—
	5	834	841	856	856	897	922	905	792	745	673	655	619	—
	6	905	879	896	896	872	855	861	814	788	731	727	694	—
	7	923	922	922	922	922	930	957	923	869	840	798	748	—
	8	947	947	930	939	939	947	947	889	815	748	716	692	—
	9	906	922	930	930	930	939	930	906	816	738	687	667	—
	10	930	939	947	930	930	930	930	890	803	759	638	585	—
	11	957	966	974	974	974	974	966	974	925	878	799	735	—
	12	938	947	946	955	955	955	946	874	795	729	681	673	—
	13	924	898	914	922	938	938	939	860	788	725	677	638	—
	14	946	946	955	955	945	935	936	904	808	687	672	707	—
	15	847	854	854	845	886	902	893	930	785	745	708	642	—
	16	924	924	931	931	930	939	914	861	773	735	697	655	—
	17	898	905	821	836	826	859	894	864	681	603	674	643	—
	18	932	932	940	948	947	947	931	877	786	721	696	597	—
	19	895	903	911	911	902	910	911	880	787	696	713	711	—
	20	914	905	905	930	930	946	946	899	833	739	725	700	—
	21	956	956	965	955	955	955	956	931	833	758	734	703	—
	22	890	914	930	931	939	956	956	957	932	876	848	738	—
	23	906	915	931	947	939	939	922	875	781	759	732	719	—
	24	930	947	946	946	946	937	895	851	802	769	723	688	—
	25	923	922	930	930	947	947	939	900	804	687	676	661	—
	26	917	924	948	940	940	939	939	947	883	854	863	838	—
	27	931	947	947	947	956	947	939	884	820	782	703	693	—
	28	930	939	930	939	939	938	930	922	884	846	833	791	—
	29	914	931	947	956	947	947	939	923	827	751	766	725	—
	30	923	914	922	921	920	929	920	890	825	740	678	634	—
Hourly Means.		917	921	925	929	930	935	930	894	817	755	727	692	—
Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
A P R I L.	1	635	652	685	748	725	782	816	846	852	891	891	906	824
	2	745	773	862	847	832	847	876	900	916	924	940	940	869
	3	766	768	779	808	792	827	863	862	868	891	899	883	864
	4	699	656	643	675	694	731	762	788	757	770	829	812	805
	5	620	619	874	854	883	899	915	940	940	940	939	939	832
	6	661	620	621	650	682	760	802	831	861	892	916	932	798
	7	715	694	747	786	823	835	866	882	906	914	923	931	862
	8	685	653	762	722	723	791	823	830	836	875	883	891	830
	9	693	686	691	709	730	760	858	857	864	905	915	931	829
	10	656	635	679	763	844	900	924	924	932	941	940	940	845
	11	776	807	869	908	907	925	932	948	940	939	914	922	912
	12	640	609	613	671	707	759	821	849	854	892	900	906	817
	13	684	688	693	716	747	779	842	902	912	930	920	937	830
	14	635	658	670	695	698	757	796	862	868	744	786	817	809
	15	636	652	661	683	687	731	820	863	885	893	893	892	799
	16	694	669	681	709	748	773	785	814	841	886	901	899	817
	17	570	655	656	703	702	752	785	861	915	923	940	932	787
	18	675	717	670	705	696	760	808	858	851	872	879	878	818
	19	718	697	716	728	755	798	858	866	882	915	915	905	828
	20	644	668	703	709	839	940	940	940	939	947	947	956	856
	21	744	718	742	759	739	808	836	919	902	893	908	916	856
	22	733	754	773	772	777	812	855	886	917	892	883	883	867
	23	719	675	659	756	809	837	883	891	923	930	930	939	847
	24	685	716	808	760	786	806	871	894	917	924	915	915	849
	25	670	692	698	717	728	752	806	864	871	909	909	853	822
	26	762	717	728	721	719	784	840	885	917	916	924	931	866
	27	805	761	721	755	831	883	899	915	923	914	914	914	864
	28	813	767	813	801	772	828	879	886	877	875	882	889	871
	29	628	690	678	678	708	766	827	864	870	893	891	899	832
	30	659	691	685	720	724	761	779	822	857	886	901	901	817
Hourly Means.		692	692	719	744	760	805	846	875	886	897	904	907	837

DIRECTION OF THE WIND.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12
APRIL.	1	C	C	C	C	C	C	C	C	SW	W	W	WNW
	2	C	C	C	C	C	C	C	W	W	W	WNW	WNW
	3	C	C	C	C	C	C	C	WNW	WNW	WNW	NW	NE
	4	C	C	C	C	C	C	C	C	N	NNW	NW	WNW
	5	C	C	C	C	C	C	C	WSW	WSW	WSW	SW	WNW
	6	S	S	S	S	SSW	WSW	WSW	WSW	SW	WSW	SW	WSW
	7	C	C	C	C	C	C	C	SSW	SSW	SSW	S	SSE
	8	C	C	C	C	C	C	C	C	NW	NW	N	N
	9	C	C	C	C	C	C	C	C	NE	NE	NE	NE
	10	C	C	C	C	C	C	C	C	C	SW	SW	SW
	11	C	C	C	C	C	C	C	C	C	ESE	ESE	E
	12	C	C	C	C	C	C	C	ENE	ENE	ENE	ENE	ENE
	13	C	C	C	C	C	C	N	N	N	NE	NE	ENE
	14	C	C	C	C	C	C	C	C	N	N	NE	NNE
	15	C	C	C	C	C	C	C	N	C	N	NNE	NNE
	16	C	C	C	C	C	C	N	N	N	ENE	ENE	NE
	17	NNE	NNE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE
	18	C	C	C	C	C	C	C	C	E	E	E	E
	19	C	C	C	C	C	C	C	S	S	ESE	E	ENE
	20	C	C	C	C	C	C	C	C	C	C	SW	WNW
	21	C	C	C	C	C	C	C	C	S	SE	ESE	E
	22	C	C	C	C	C	C	C	C	C	ENE	ENE	NE
	23	C	C	C	C	C	C	C	C	ENE	E	E	E
	24	C	C	C	C	C	C	SE	SE	SE	SE	SE	ESE
	25	C	C	C	C	C	C	C	C	NNE	NE	NE	NE
	26	C	C	C	C	C	C	SSE	SSE	SSE	SSE	SSE	ESE
	27	C	C	C	C	C	C	C	C	E	E	E	ENE
	28	C	C	C	C	C	C	C	C	C	S	SE	ESE
	29	C	C	C	C	C	C	C	E	E	ESE	E	ENE
	30	NNE	C	C	C	C	C	C	NNE	NE	ENE	E	E
Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12
APRIL.	1	NW	NW	SSW	SSW	W	WSW	W	W	W	W	W	C
	2	NW	NNW	NW	WNW	WNW	C	C	C	C	C	C	C
	3	NE	NNE	N	N	N	N	C	C	C	C	N	C
	4	WSW	WSW	WSW	WSW	WSW	W	W	W	WSW	C	C	C
	5	WNW	W	SSW	SSW	SSE	SSE	SSE	C	C	SSE	C	SSE
	6	W	WNW	WNW	WNW	W	SSW	C	C	C	C	C	C
	7	SE	SE	NE	NW	NW	NW	C	C	C	C	C	C
	8	ENE	ENE	NE	NE	NE	NE	NE	NE	NE	NE	NE	C
	9	N	NNE	NNE	NNE	NNE	SW	SW	SW	C	C	C	C
	10	NNW	N	NNE	N	SE	C	C	C	SE	SE	C	C
	11	N	N	ENE	ENE	C	ENE	C	C	C	C	ENE	C
	12	NNE	NNE	NNE	N	N	N	C	N	N	N	C	C
	13	NNE	NNE	NNE	N	NE	NE	NE	N	N	C	C	C
	14	N	NNE	N	N	N	C	C	C	N	N	C	C
	15	NE	NE	NNE	N	N	N	C	C	C	C	C	C
	16	N	NNE	N	NE	NE	NNE	NNE	C	C	NNE	NNE	NNE
	17	ENE	NNE	N	NNE	NE	NE	E	C	C	C	C	C
	18	NE	NE	NNE	NNE	NNE	NNE	C	NNE	S	C	S	C
	19	NNE	N	N	N	N	SW	C	C	C	C	C	C
	20	NNE	NNE	NE	NNE	WSW	S	C	C	C	C	C	C
	21	NE	NE	NE	ENE	ENE	ENE	ENE	C	C	C	C	C
	22	E	NE	ENE	ENE	ENE	ENE	C	C	C	C	C	C
	23	ENE	ENE	E	ESE	SE	SE	C	C	C	C	C	C
	24	E	ENE	NE	NE	NNE	NNE	C	C	C	NNE	C	C
	25	NE	NNE	NE	NE	NE	C	C	C	C	C	C	C
	26	ESE	E	E	E	E	C	C	C	C	C	C	C
	27	NNW	NNE	NNE	NE	S	S	C	C	C	C	C	C
	28	ESE	E	E	E	E	E	E	E	E	C	C	C
	29	NE	NNE	N	NNE	NNE	C	C	C	C	C	NNE	NNE
	30	ENE	NNE	NE	NE	NE	NE	NE	C	C	C	C	C

VELOCITY OF THE WIND IN KILOMETERS PER HOUR.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
A P R I L.	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	4.0	5.6	6.4	—
	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	4.8	5.6	8.0	8.9	—
	3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	1.6	4.0	5.6	—
	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	4.8	6.4	9.7	—
	5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.6	3.2	7.2	9.7	—
	6	2.4	1.6	1.6	0.8	4.0	2.4	2.4	4.0	6.4	8.0	7.2	5.6	—
	7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	2.4	2.4	3.2	4.8	—
	8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	3.2	4.0	6.4	—
	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	2.4	7.2	—
	10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	2.4	4.0	—
	11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	5.6	8.0	—
	12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	3.2	4.8	4.8	—
	13	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	1.6	4.0	4.0	4.8	—
	14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	3.2	4.0	4.8	—
	15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.0	0.8	5.6	5.6	—
	16	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.6	3.2	5.6	6.4	10.5	—
	17	0.8	1.6	3.2	4.8	3.2	0.8	0.8	2.4	3.2	2.4	5.6	8.9	—
	18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.8	4.8	5.6	6.4	—
	19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.6	3.2	4.8	8.0	—
	20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	7.2	—
	21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	8.0	8.0	8.9	—
	22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	5.6	10.5	—
	23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	7.2	8.9	7.2	—
	24	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	2.4	4.8	8.0	—
	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	4.0	5.6	7.2	—
	26	0.0	0.0	0.0	0.0	0.0	0.0	4.0	3.2	2.4	4.8	4.8	5.6	—
	27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	9.7	8.9	8.9	—
	28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	4.0	4.0	—
	29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	4.8	6.4	8.0	9.7	—
	30	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.8	2.4	8.9	11.3	9.7	—
Hourly Means.		0.13	0.11	0.16	0.19	0.24	0.11	0.35	0.75	1.92	3.90	5.61	7.23	—
Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
A P R I L.	1	8.9	6.4	3.2	1.6	6.4	3.2	3.2	2.4	0.8	0.8	1.6	0.0	2.37
	2	7.2	8.9	4.8	3.2	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.28
	3	4.8	8.0	7.2	4.8	3.2	0.8	0.0	0.0	0.0	0.0	0.8	0.0	1.83
	4	12.1	10.5	6.4	2.4	1.6	1.6	0.8	0.8	2.4	0.0	0.0	0.0	2.55
	5	7.2	15.3	8.9	6.4	5.6	3.2	1.6	0.0	0.0	0.8	0.0	0.8	3.01
	6	8.0	8.0	4.8	2.4	4.0	0.8	0.0	0.0	0.0	0.0	0.0	0.0	3.10
	7	4.0	4.0	8.0	1.6	1.6	4.8	0.8	0.0	0.0	0.0	0.0	0.0	1.60
	8	8.0	12.1	8.0	4.8	1.6	0.8	3.2	1.6	1.6	0.8	0.8	0.0	2.44
	9	12.1	12.1	10.5	6.4	4.8	0.8	0.8	0.8	0.0	0.0	0.0	0.0	2.55
	10	4.8	8.9	11.3	6.4	4.0	0.0	0.0	0.0	0.8	5.6	0.0	0.0	2.04
	11	13.7	11.3	3.2	0.8	0.0	0.8	0.0	0.0	0.0	0.0	0.8	0.0	1.88
	12	8.0	8.9	8.9	8.0	6.4	1.6	0.0	3.2	1.6	0.8	0.0	0.0	2.58
	13	4.8	10.5	11.3	10.5	8.0	3.2	1.6	2.4	1.6	0.0	0.0	0.0	2.98
	14	9.7	9.7	7.2	6.4	3.2	0.0	0.0	0.0	1.6	3.2	0.0	0.0	2.24
	15	7.2	8.0	7.2	8.0	6.4	1.6	0.0	0.0	0.0	0.0	0.0	0.0	2.13
	16	13.7	16.9	13.7	14.5	8.9	2.4	0.8	0.0	0.0	0.8	1.6	0.8	4.26
	17	8.0	15.3	14.5	12.9	6.4	2.4	0.8	0.0	0.0	0.0	0.0	0.0	4.08
	18	15.3	14.5	10.5	12.1	9.7	1.6	0.0	5.6	8.9	3.2	0.8	0.0	4.33
	19	11.3	12.9	9.7	6.4	4.0	1.6	0.0	0.0	0.0	0.0	0.0	0.0	2.68
	20	8.9	12.9	10.5	6.4	7.2	0.8	0.0	0.0	0.0	0.0	0.0	0.0	2.31
	21	16.1	12.9	10.5	8.9	6.4	2.4	0.8	0.0	0.0	0.0	0.0	0.0	3.59
	22	12.9	17.7	10.5	6.4	4.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0	2.92
	23	3.2	7.2	8.9	6.4	6.4	0.8	0.0	0.0	0.0	0.0	0.0	0.0	2.41
	24	8.9	8.0	7.2	8.0	7.2	1.6	0.0	0.0	0.0	0.8	0.0	0.0	2.47
	25	12.1	11.3	9.7	8.9	6.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.75
	26	7.2	8.9	7.2	5.6	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.34
	27	3.2	10.5	12.9	8.9	4.0	0.8	0.0	0.0	0.0	0.0	0.0	0.0	2.89
	28	4.0	4.8	0.8	1.6	3.2	1.6	1.6	1.6	2.4	0.0	0.0	0.0	1.30
	29	8.9	8.0	7.2	6.4	4.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	2.74
	30	9.7	12.9	12.9	15.3	11.3	6.4	0.8	0.0	0.0	0.0	0.0	0.0	4.30
Hourly Means.		8.80	10.58	8.59	6.75	5.02	1.55	0.56	0.61	0.72	0.56	0.24	0.08	2.70

CLOUDS.

CLEAR = 0. — OVERCAST = 10.

Mean Batavia Time.		1 A.M.	2	3	4	5	6	7	8	9	10	11	12	—
A P R I L.	1	4	4	6	6	7	10	6	6	4	5	8	6	—
	2	2	2	3	3	7	8	7	7	5	5	6	7	—
	3	9	9	9	7	9	7	9	8	7	8	9	9	—
	4	4	3	4	5	7	9	7	5	6	6	9	6	—
	5	6	6	4	6	6	4	9	5	6	4	4	3	—
	6	5	3	3	2	5	7	4	2	5	6	9	7	—
	7	9	10	10	10	10	10	10	10	10	10	10	10	—
	8	8	9	9	8	6	9	10	10	9	7	8	9	—
	9	6	9	6	5	3	8	9	9	5	5	6	7	—
	10	6	7	6	4	6	6	8	6	6	4	5	4	—
	11	10	10	9	8	8	10	10	9	7	6	6	5	—
	12	1	0	1	1	1	1	0	1	1	2	2	3	—
	13	7	7	9	5	7	9	6	4	5	4	4	3	—
	14	3	2	1	1	1	3	5	3	3	3	5	7	—
	15	6	6	6	7	6	4	6	7	3	4	4	5	—
	16	5	3	3	2	4	6	2	1	0	0	6	1	—
	17	8	4	8	8	7	7	8	7	5	9	7	5	—
	18	9	9	5	3	3	7	2	1	2	2	4	4	—
	19	3	2	2	2	2	4	9	8	6	7	5	7	—
	20	3	4	6	6	6	6	3	2	3	4	7	6	—
	21	3	2	1	3	3	5	4	2	4	1	3	0	—
	22	9	9	9	8	10	10	10	10	10	10	10	8	—
	23	9	9	9	9	9	7	9	8	6	6	8	10	—
	24	5	3	2	2	7	5	7	9	9	9	7	7	—
	25	6	4	4	0	6	6	5	3	3	4	6	5	—
	26	10	10	10	10	10	10	10	8	9	6	8	6	—
	27	2	1	2	3	1	1	1	0	6	7	7	8	—
	28	9	9	10	10	10	7	10	10	10	10	10	10	—
	29	8	8	4	5	7	8	7	7	8	7	9	7	—
	30	6	4	6	4	6	6	4	4	3	2	4	4	—
Hourly Means.		6.0	5.6	5.6	5.1	6.0	6.7	6.6	5.7	5.5	5.4	6.5	6.0	—
Mean Batavia Time.		1 P.M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
A P R I L.	1	5	7	9	9	6	8	9	8	5	5	3	2	6.2
	2	10	8	10	6	6	9	8	9	10	9	9	8	6.8
	3	10	9	10	8	8	6	6	6	6	6	6	6	7.8
	4	6	7	8	8	9	8	6	6	4	7	9	8	6.5
	5	5	8	9	8	8	10	10	10	8	7	6	5	6.5
	6	9	8	8	8	9	10	9	10	10	10	10	10	7.0
	7	8	7	7	9	10	6	8	9	10	9	10	8	9.2
	8	6	8	9	8	8	10	9	6	6	8	7	7	8.1
	9	4	3	2	4	9	10	9	9	8	6	8	6	6.5
	10	6	6	5	9	10	10	10	10	10	10	10	10	7.3
	11	5	9	9	9	8	9	5	5	4	2	3	2	7.0
	12	4	2	3	1	2	6	9	9	9	8	8	9	3.5
	13	4	6	6	6	7	7	9	10	9	6	5	6	6.3
	14	5	3	3	2	0	1	1	1	2	0	1	2	2.4
	15	5	5	4	2	3	6	1	3	2	3	7	8	4.7
	16	3	4	5	7	6	7	7	8	9	9	9	7	4.8
	17	1	0	3	1	0	6	10	9	5	7	8	9	5.9
	18	7	4	3	5	4	6	4	7	8	6	6	6	4.9
	19	6	2	4	2	7	6	8	8	7	5	5	3	5.0
	20	5	5	6	6	10	10	5	1	1	1	1	1	4.5
	21	6	8	6	7	7	9	7	9	7	7	9	9	5.1
	22	7	6	6	8	6	6	8	7	8	9	9	7	8.3
	23	8	8	9	8	9	10	6	7	6	7	4	6	7.8
	24	7	9	10	8	7	6	3	5	4	6	7	5	6.2
	25	4	3	5	3	4	5	2	6	9	8	9	10	5.0
	26	9	6	3	3	2	3	3	5	2	3	2	5	6.4
	27	10	6	2	6	10	10	6	5	4	4	6	7	4.8
	28	10	10	10	10	9	10	6	4	7	6	6	7	8.8
	29	6	4	3	6	4	6	6	7	5	3	3	4	5.9
	30	5	6	6	5	6	7	8	8	6	2	3	2	4.9
Hourly Means.		6.2	5.9	6.1	6.1	6.5	7.4	6.6	6.9	6.4	6.0	6.3	6.2	6.14

BAROMETRIC PRESSURE.

BAROMETER AT 0°C = 750 MILLIMETRES + THE NUMBERS IN THE TABLE.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
M A Y.	1	6.66	6.25	6.02	5.85	6.10	6.37	7.07	7.74	7.80	7.60	7.12	6.37	—
	2	6.74	6.10	6.26	6.17	6.19	6.72	7.05	7.37	7.79	7.63	7.22	6.73	—
	3	6.71	6.48	6.20	6.37	6.74	7.24	7.81	8.36	9.00	8.96	8.89	7.97	—
	4	7.98	7.53	7.13	6.95	7.25	7.82	7.90	8.52	8.80	8.83	8.25	7.63	—
	5	7.75	7.36	7.01	6.57	6.80	7.36	7.87	8.17	8.65	8.63	8.37	7.84	—
	6	8.26	7.91	7.51	7.38	7.28	7.71	8.18	8.50	8.92	8.75	8.34	7.78	—
	7	8.85	8.50	8.15	7.91	7.92	8.50	9.01	9.25	9.85	9.79	9.57	8.87	—
	8	9.49	9.14	8.80	8.72	8.70	8.87	9.25	9.78	10.25	10.24	10.13	9.89	—
	9	9.87	9.58	9.44	9.22	9.33	9.44	9.79	10.22	10.28	9.91	9.43	8.86	—
	10	9.04	8.75	8.00	8.01	8.27	8.74	8.90	9.02	9.33	9.54	9.06	8.34	—
	11	8.97	8.45	8.19	8.01	7.91	8.74	9.17	9.71	9.65	9.58	9.21	8.80	—
	12	9.40	8.89	8.80	8.72	8.89	9.49	9.79	10.44	10.35	10.04	9.52	8.81	—
	13	9.75	9.43	9.11	8.91	9.13	9.63	9.90	10.33	10.49	10.14	9.61	8.69	—
	14	8.13	7.98	7.83	7.85	8.28	8.40	8.76	9.17	9.52	9.34	8.82	8.36	—
	15	8.60	8.06	7.88	7.80	8.26	8.60	8.92	9.58	9.69	9.67	9.23	8.58	—
	16	8.75	8.46	8.24	8.16	8.73	9.05	9.88	10.43	10.73	10.58	10.30	9.65	—
	17	9.50	8.70	8.52	8.45	8.71	8.92	9.36	9.84	9.95	9.64	9.21	8.54	—
	18	8.81	8.60	8.44	8.47	8.80	9.07	9.55	10.01	10.13	9.88	9.43	8.59	—
	19	7.71	7.59	7.42	7.45	7.75	8.15	8.95	9.50	9.60	9.28	8.67	7.76	—
	20	8.29	8.00	7.76	7.71	7.97	8.36	8.95	9.35	9.34	9.28	8.93	8.32	—
	21	8.60	8.22	8.04	8.11	8.26	8.48	8.99	8.95	9.02	9.28	8.71	8.12	—
	22	8.89	8.41	7.97	7.92	8.03	8.17	8.57	9.06	9.38	9.45	9.15	8.45	—
	23	8.39	8.17	7.85	7.73	7.96	8.48	8.67	9.16	9.18	9.06	8.64	7.94	—
	24	8.12	7.80	7.47	7.60	7.99	8.32	8.99	9.60	9.69	9.65	9.01	8.32	—
	25	8.11	7.77	7.49	7.45	7.82	7.87	8.25	8.68	8.67	8.48	8.10	7.46	—
	26	8.09	7.76	7.49	7.50	7.67	7.96	8.39	8.71	8.90	8.81	8.50	7.86	—
	27	8.71	8.43	8.01	8.06	8.56	8.95	9.20	9.51	9.79	9.68	9.48	8.69	—
	28	8.81	8.54	8.30	8.07	8.25	8.71	8.90	9.38	9.40	9.19	8.73	7.96	—
	29	8.95	8.87	8.87	8.86	9.15	9.38	9.72	10.20	10.50	10.19	9.78	9.01	—
	30	9.39	9.12	8.95	9.16	9.37	9.50	9.72	10.12	10.28	10.13	9.60	9.03	—
	31	9.58	9.30	9.12	9.19	9.38	9.86	10.16	10.80	10.95	10.78	10.34	9.64	—
Hourly Means.		8.55	8.20	7.94	7.88	8.11	8.48	8.89	9.34	9.54	9.42	9.01	8.35	—
Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
M A Y.	1	5.73	5.13	4.58	4.68	5.21	5.26	5.62	6.32	6.88	7.04	7.24	7.17	6.33
	2	5.79	5.33	5.03	5.52	5.79	5.86	6.38	7.15	7.53	7.57	7.70	7.04	6.61
	3	7.47	7.12	6.61	6.51	6.54	6.57	7.29	7.69	7.90	8.37	8.41	8.32	7.48
	4	6.84	6.26	5.86	5.97	5.98	6.43	6.89	7.93	8.65	8.79	8.58	8.00	7.53
	5	7.63	7.24	7.05	6.70	6.67	6.97	7.80	8.25	8.51	8.86	8.91	8.66	7.73
	6	7.37	6.53	6.18	6.19	6.48	7.18	7.96	8.68	8.87	9.39	9.50	9.30	7.92
	7	8.27	7.64	7.44	7.79	8.49	9.00	9.26	9.65	10.28	10.87	10.69	10.18	8.99
	8	9.24	8.56	8.07	8.09	8.42	8.86	9.23	9.88	10.30	10.52	10.35	10.27	9.38
	9	8.31	7.38	6.98	6.91	7.28	7.39	7.69	8.88	9.31	9.54	9.39	9.24	8.90
	10	7.74	7.06	6.83	6.88	7.59	8.06	8.67	9.39	9.58	9.73	9.62	9.20	8.56
	11	8.23	7.46	7.26	7.36	7.78	8.49	8.98	9.05	9.63	10.08	10.33	10.00	8.79
	12	7.99	7.49	7.23	7.09	7.78	8.32	9.29	9.97	9.88	10.20	10.25	10.03	9.11
	13	7.67	7.21	6.39	6.51	6.93	6.99	7.50	7.94	8.18	8.18	8.18	8.33	8.55
	14	7.43	6.88	6.44	6.49	6.77	7.26	7.83	8.43	8.93	9.13	9.03	8.85	8.16
	15	8.12	7.26	7.19	7.19	7.35	7.83	8.41	8.89	9.29	9.56	9.59	9.18	8.53
	16	9.08	8.24	7.53	7.47	7.78	8.23	8.70	9.50	9.98	10.15	10.00	9.97	9.15
	17	7.60	7.07	6.54	6.53	6.89	7.18	7.63	8.00	8.33	8.60	8.88	8.84	8.39
	18	7.68	6.79	6.27	6.19	6.41	6.44	6.60	7.31	7.94	7.94	7.98	7.99	8.14
	19	6.74	6.36	6.01	6.02	6.24	6.64	7.08	7.62	7.96	8.25	8.29	8.40	7.73
	20	7.51	6.86	6.51	6.32	6.64	7.21	7.72	8.27	8.80	8.99	8.94	8.95	8.12
	21	7.26	6.51	6.11	6.21	6.34	6.70	7.15	7.81	8.75	9.14	9.25	9.26	8.05
	22	8.25	7.66	7.19	7.04	6.82	6.92	7.15	7.79	8.34	8.43	8.61	8.61	8.18
	23	7.47	6.66	6.52	6.66	6.93	7.23	7.70	8.23	8.69	8.76	8.62	8.56	8.05
	24	7.46	6.76	6.58	6.63	6.72	7.43	7.68	8.25	8.56	8.74	8.71	8.60	8.11
	25	6.86	6.31	6.13	6.10	6.21	6.47	7.04	7.72	8.17	8.54	8.58	8.53	7.62
	26	7.26	6.63	6.28	6.33	6.46	7.11	7.66	8.23	8.72	9.08	9.03	8.85	7.89
	27	8.29	7.53	7.33	7.33	7.43	7.68	8.08	8.53	9.12	9.10	9.33	9.19	8.60
	28	7.41	6.84	6.82	7.07	7.11	7.94	8.50	9.03	9.42	9.62	9.55	9.21	8.46
	29	8.41	7.93	7.72	7.63	7.81	8.22	8.50	9.00	9.59	9.84	9.88	9.90	9.08
	30	8.31	7.93	7.63	7.46	7.57	8.16	8.42	8.89	9.67	10.08	10.00	9.87	9.10
	31	9.12	8.41	7.94	8.01	8.32	8.62	9.26	9.83	10.58	10.85	10.79	10.62	9.64
Hourly Means.		7.69	7.07	6.72	6.74	7.00	7.38	7.86	8.46	8.91	9.17	9.17	9.00	8.29

STANDARD THERMOMETER.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
M A Y.	1	77.0	76.1	75.8	75.0	74.4	73.9	74.2	77.0	80.6	83.6	85.6	86.7	—
	2	76.2	75.9	75.5	75.3	74.8	74.4	74.8	76.8	80.9	84.0	85.3	85.4	—
	3	77.2	76.8	76.4	76.4	76.2	76.2	76.5	76.5	76.8	78.0	77.5	75.5	—
	4	74.6	74.4	74.0	73.5	73.0	72.8	73.3	75.8	78.6	81.5	83.2	85.0	—
	5	76.2	76.0	75.7	75.4	75.0	75.1	76.0	79.4	82.3	84.3	85.6	84.6	—
	6	74.2	74.2	74.1	73.9	73.7	73.0	73.0	74.9	77.6	80.6	82.6	84.0	—
	7	76.4	76.0	75.6	75.2	75.0	74.4	75.0	77.4	79.4	82.9	84.3	86.0	—
	8	75.0	75.0	74.8	74.2	73.5	73.0	73.7	75.9	78.0	80.7	83.0	85.1	—
	9	77.5	77.2	76.6	76.2	75.9	75.5	75.6	77.8	81.3	84.0	85.5	86.6	—
	10	76.3	75.8	75.0	75.4	75.6	75.6	76.4	78.5	79.9	81.6	83.0	83.9	—
	11	76.0	75.6	75.0	74.8	74.8	74.3	74.5	75.5	77.7	82.6	84.5	85.2	—
	12	74.9	74.8	74.2	73.9	73.5	73.3	73.8	76.8	80.0	82.5	84.2	85.9	—
	13	74.2	73.8	74.2	74.0	73.5	73.0	73.5	75.9	79.1	81.5	84.4	85.5	—
	14	79.0	79.0	78.4	77.2	76.4	75.9	76.5	79.2	82.0	84.0	85.0	85.5	—
	15	77.0	76.5	76.0	75.7	75.4	75.2	76.0	77.4	81.6	83.5	85.8	86.6	—
	16	78.2	77.4	77.2	77.0	76.7	75.7	75.2	76.2	76.0	76.2	78.5	80.6	—
	17	75.4	75.4	75.1	74.8	74.8	74.9	75.2	76.9	79.1	81.0	82.8	83.6	—
	18	77.8	77.0	76.2	75.4	74.6	74.0	74.7	76.3	80.2	83.0	81.9	85.5	—
	19	77.5	76.8	76.0	74.5	73.5	72.8	73.0	76.0	79.0	82.5	81.8	85.8	—
	20	75.6	75.0	74.8	74.0	73.6	72.5	72.3	75.2	79.0	81.8	83.6	85.0	—
	21	74.4	73.7	73.0	72.4	71.8	71.2	71.6	75.1	78.3	81.0	83.6	85.1	—
	22	75.0	73.8	73.3	72.5	71.8	71.2	71.8	75.7	79.0	81.0	82.9	84.2	—
	23	74.8	74.0	73.5	73.0	72.7	72.2	72.4	74.3	77.4	81.0	83.1	85.6	—
	24	73.4	72.5	72.2	71.4	71.0	70.5	71.5	74.0	77.6	80.6	83.4	85.6	—
	25	75.3	74.9	74.3	73.4	73.0	72.6	73.5	76.0	80.0	83.3	85.5	87.3	—
	26	78.0	77.2	76.4	76.0	75.3	75.1	75.5	77.5	80.1	82.6	84.6	86.5	—
	27	78.1	77.2	75.7	74.7	74.0	73.4	73.7	76.0	79.7	82.8	84.2	85.0	—
	28	76.6	75.8	75.2	74.6	74.0	73.5	73.7	76.6	80.3	83.5	85.0	86.6	—
	29	75.2	74.9	73.9	72.7	72.0	71.4	71.6	74.2	78.0	81.2	83.2	85.8	—
	30	74.5	73.5	73.4	72.4	71.6	71.0	71.5	74.4	77.9	81.6	84.6	85.5	—
	31	75.4	74.7	73.9	73.1	72.1	71.7	71.8	74.5	78.3	81.6	83.6	85.3	—
Hourly Means.		76.03	75.51	75.01	74.45	73.97	73.53	73.93	76.25	79.22	81.94	83.80	84.98	—
Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
M A Y.	1	87.0	87.4	86.6	83.8	82.3	81.3	80.4	79.7	78.8	77.8	77.0	76.8	79.95
	2	87.0	88.3	86.3	84.0	83.6	82.5	81.6	80.6	79.6	79.0	78.2	77.9	80.33
	3	76.3	77.6	77.9	77.8	77.2	76.8	76.5	76.3	75.9	75.5	75.0	74.6	76.56
	4	86.6	85.0	85.0	84.7	83.6	82.4	81.4	80.1	79.0	78.0	76.9	76.2	79.11
	5	80.0	79.0	75.5	75.2	75.5	75.2	75.1	75.0	74.8	74.8	74.5	74.2	77.27
	6	84.4	84.3	82.6	82.9	83.5	80.4	78.0	77.1	76.8	76.8	76.6	77.0	78.18
	7	86.0	87.0	86.3	85.0	81.1	79.6	78.4	77.6	77.0	76.9	76.3	75.6	79.35
	8	87.0	86.0	86.0	84.8	84.2	83.0	81.6	80.0	79.0	78.3	78.1	77.8	79.49
	9	87.8	86.9	86.1	85.3	84.4	83.3	82.2	81.0	79.8	78.0	77.1	76.9	80.77
	10	83.8	83.8	83.7	83.5	83.0	82.0	79.3	78.0	77.3	77.0	76.8	76.5	79.24
	11	83.6	85.0	84.1	83.0	82.8	81.7	78.5	77.0	76.2	75.4	75.4	75.2	78.68
	12	86.1	85.5	85.6	84.6	83.0	82.4	79.0	76.7	76.3	75.3	74.9	74.5	78.82
	13	86.2	86.7	87.3	85.5	83.9	82.9	81.5	80.6	79.8	79.5	79.5	79.5	79.81
	14	85.4	85.3	84.2	83.1	82.9	82.5	81.5	80.0	79.1	78.9	78.1	77.6	80.70
	15	88.2	87.5	87.2	86.8	85.0	83.3	82.6	81.7	81.0	80.0	79.0	79.0	81.17
	16	82.1	82.2	82.6	82.6	81.2	80.3	79.7	78.6	78.0	78.2	78.0	76.6	78.54
	17	85.1	85.6	85.1	84.9	84.0	82.6	81.2	80.5	80.2	79.5	79.6	79.1	79.85
	18	86.0	86.0	85.7	85.1	84.3	82.7	80.6	79.7	79.0	78.5	78.0	77.5	80.11
	19	86.8	87.2	86.1	85.3	84.3	82.6	81.0	79.2	78.5	78.0	77.3	76.2	79.78
	20	86.2	86.5	85.7	85.0	83.2	82.0	80.6	79.4	78.4	77.4	76.1	75.4	79.10
	21	86.5	86.7	86.0	84.6	83.3	81.8	79.4	78.5	78.0	77.0	76.0	75.4	78.52
	22	85.3	85.6	85.1	84.1	83.1	81.6	80.2	78.4	77.5	76.6	76.0	75.2	78.37
	23	86.2	87.2	85.0	84.7	83.9	82.1	79.8	78.6	76.6	75.5	74.8	74.2	78.44
	24	87.0	87.9	88.0	86.1	84.7	83.0	81.8	80.0	78.7	77.7	76.8	76.0	78.81
	25	87.8	87.0	86.2	86.2	85.4	83.4	81.8	80.4	79.5	78.5	78.7	78.5	80.10
	26	87.4	87.0	86.1	85.5	84.7	83.4	82.0	81.5	80.6	79.8	79.5	78.4	80.86
	27	86.5	85.7	86.5	85.7	84.5	82.8	81.1	80.0	79.0	78.4	77.4	76.6	79.95
	28	87.3	87.9	88.1	86.0	84.0	81.9	80.5	79.3	78.5	77.1	76.4	75.6	79.92
	29	87.0	86.8	85.0	84.6	83.4	81.9	80.1	78.8	77.7	76.7	75.8	75.2	78.63
	30	86.5	87.4	85.6	84.7	83.5	81.8	80.0	78.0	77.1	76.8	76.6	76.0	78.58
	31	85.6	87.2	86.6	85.0	83.6	82.3	80.5	78.8	78.0	77.3	77.0	77.0	78.95
Hourly Means.		85.64	85.78	85.09	84.20	83.13	81.79	80.25	79.07	78.25	77.55	77.01	76.52	79.29

RELATIVE HUMIDITY OF THE AIR.

SATURATION = 1000.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
M A Y.	1	916	923	915	922	921	921	913	875	776	721	661	634	—
	2	915	923	931	931	939	930	930	916	805	736	712	733	—
	3	932	932	940	932	940	948	948	940	924	893	884	931	—
	4	947	947	965	965	964	955	946	890	793	777	740	691	—
	5	882	881	898	914	922	922	931	894	786	728	667	716	—
	6	973	973	973	965	965	973	982	939	884	827	774	708	—
	7	910	957	957	947	947	947	947	892	833	712	682	649	—
	8	930	930	904	921	929	946	956	923	861	761	739	718	—
	9	933	941	932	932	940	948	948	901	792	715	680	639	—
	10	915	915	922	923	923	931	940	885	856	799	781	783	—
	11	906	923	939	939	939	947	939	923	877	752	702	698	—
	12	930	922	930	938	938	938	929	883	796	759	702	662	—
	13	921	938	938	938	938	937	929	865	794	749	656	604	—
	14	909	918	885	891	899	898	882	855	764	715	677	672	—
	15	932	940	940	931	923	939	931	892	792	754	675	627	—
	16	917	933	925	932	932	940	957	957	948	948	909	850	—
	17	966	966	966	965	965	974	983	966	894	858	794	755	—
	18	884	916	932	948	930	903	879	874	818	753	717	687	—
	19	884	851	833	888	911	929	937	833	809	647	575	556	—
	20	881	897	905	913	912	919	901	832	756	653	634	582	—
	21	913	903	894	885	892	909	874	829	732	669	621	577	—
	22	913	929	920	928	928	927	918	832	771	733	690	682	—
	23	922	912	911	920	919	923	919	888	829	748	705	519	—
	24	903	910	909	909	917	917	900	845	781	710	627	567	—
	25	905	914	922	938	920	919	894	841	752	725	641	563	—
	26	901	907	906	915	914	905	881	836	811	724	665	577	—
	27	884	867	864	871	878	877	861	801	765	683	682	659	—
	28	891	898	914	921	930	920	921	866	731	678	575	547	—
	29	897	897	912	910	918	909	909	838	753	719	659	580	—
	30	904	911	903	919	909	908	900	854	767	611	520	542	—
	31	872	854	853	860	866	883	857	863	702	679	595	565	—
Hourly Means.		913	917	917	923	925	927	921	878	805	740	688	654	—
Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
M A Y.	1	685	686	691	713	714	820	895	886	862	844	900	907	821
	2	665	633	683	777	789	801	837	873	894	909	926	917	838
	3	874	860	884	925	916	940	948	940	940	948	957	956	926
	4	664	724	724	730	740	779	791	864	847	868	858	890	836
	5	894	902	922	922	974	947	957	956	956	956	965	973	894
	6	715	777	794	801	775	825	852	875	907	907	916	924	875
	7	662	585	637	657	805	824	861	884	891	883	899	923	830
	8	684	681	700	764	777	824	844	895	918	933	933	925	850
	9	595	696	720	745	762	803	822	873	903	901	907	916	831
	10	749	776	755	748	767	807	854	893	891	900	891	915	855
	11	775	703	755	788	787	851	877	899	890	914	922	922	857
	12	624	698	692	736	780	779	822	866	890	897	904	913	830
	13	649	608	629	666	713	759	806	842	871	879	886	879	808
	14	712	718	742	766	766	786	821	833	870	886	908	925	821
	15	590	667	647	670	730	761	831	858	873	903	909	909	818
	16	786	801	787	794	836	880	894	918	926	918	925	932	898
	17	711	680	671	684	706	752	836	880	887	909	902	886	857
	18	694	707	727	717	715	766	827	864	894	918	925	925	830
	19	530	544	611	634	667	716	755	802	831	814	835	865	761
	20	551	541	572	613	732	757	789	816	816	867	890	898	777
	21	565	535	598	611	657	693	779	807	845	867	881	889	768
	22	627	604	600	648	711	757	810	853	876	899	906	914	807
	23	594	528	651	567	608	680	743	777	834	864	879	887	781
	24	537	518	560	605	668	670	714	781	831	860	875	890	768
	25	571	602	624	630	646	712	799	849	855	877	878	885	786
	26	593	585	605	646	650	712	764	784	811	848	855	877	778
	27	583	618	608	635	656	710	813	848	886	869	875	899	780
	28	528	513	514	661	686	742	804	839	846	883	899	915	776
	29	585	640	657	663	698	749	781	808	836	858	889	889	790
	30	535	516	578	611	645	706	750	812	834	850	850	865	758
	31	610	568	547	625	691	728	752	815	836	851	858	842	757
Hourly Means		650	654	674	702	734	775	820	855	873	886	897	905	818

DIRECTION OF THE WIND.

Mean Batavia Time.	1 A. M.	2	3	4	5	6	7	8	9	10	11	12
MAY.	1	C	C	C	C	C	C	C	NE	ENE	E	E
	2	C	C	C	C	C	C	C	ENE	ESE	ESE	E
	3	C	C	C	C	C	C	E	C	E	ENE	ENE
	4	C	C	C	C	C	C	C	E	E	ESE	E
	5	C	C	C	C	C	C	C	NE	NE	NE	NE
	6	C	C	C	C	C	C	C	C	S	S	SSW
	7	C	C	C	C	C	C	C	C	NE	NE	NE
	8	C	C	C	C	C	C	C	C	NNW	NNE	E
	9	C	C	C	C	C	C	NE	ENE	ENE	ENE	NE
	10	NNE	NE	C	NE	NE	C	NE	ENE	ENE	ENE	NE
	11	NE	C	C	C	C	C	C	NE	NE	NE	NNE
	12	C	C	C	C	C	C	C	NE	NE	E	ENE
	13	C	C	C	C	C	C	C	NNE	NNE	NNE	NE
	14	C	C	C	C	C	C	C	NE	NE	NE	NNE
	15	N	N	N	N	C	C	C	N	ESE	ESE	E
	16	NE	C	C	NE	NE	NE	C	NE	C	NE	NE
	17	ENE	C	C	C	C	C	C	ENE	C	C	ENE
	18	N	C	C	C	C	C	C	N	N	NNE	NNE
	19	C	N	C	C	C	C	N	N	ESE	E	E
	20	C	C	C	C	C	C	NNE	C	NNE	ENE	ENE
	21	C	NNE	NNE	C	C	C	NNE	NNE	NNE	NE	ENE
	22	C	C	NE	C	C	C	C	ENE	E	E	E
	23	C	C	C	C	C	C	C	C	C	NE	NE
	24	C	C	C	C	C	C	C	NE	NNE	NNE	NNE
	25	C	C	C	C	C	C	C	NE	NE	E	E
	26	C	C	C	C	C	C	C	NNE	NNE	NNE	N
	27	C	C	N	C	C	C	N	N	N	ENE	ENE
	28	C	C	C	C	C	C	C	NE	ESE	ESE	E
	29	E	C	C	C	C	C	E	E	E	ESE	ESE
	30	C	C	C	C	C	C	C	NE	E	E	ESE
	31	C	C	C	C	C	C	NNE	NNE	NNE	NNE	NNE
Mean Batavia Time.	1 P. M.	2	3	4	5	6	7	8	9	10	11	12
MAY.	1	NE	NE	NNE	NE	ENE	C	C	C	C	C	C
	2	E	ESE	E	E	E	E	E	C	C	C	C
	3	ENE	ENE	ENE	ENE	E	C	C	C	C	C	C
	4	E	NE	N	NNE	NNE	NNE	NNE	NNE	NNE	NNE	C
	5	NE	S	S	C	C	C	C	C	C	C	C
	6	NE	NE	NE	NE	NE	NE	NE	NE	C	C	C
	7	NE	NE	NNE	NNW	NNW	NNW	C	C	C	C	C
	8	E	NE	NE	NE	NE	NE	C	C	C	C	C
	9	NE	NE	NNE	NNE	NNE	NNE	C	NNE	NNE	C	C
	10	NE	NE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE
	11	N	ENE	NE	NE	NE	NE	NE	C	C	C	C
	12	ENE	NE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	C	C
	13	NE	NE	NE	NE	NE	C	C	C	C	C	C
	14	NNE	NNE	NNE	N	N	C	C	C	C	N	N
	15	ENE	NE	NNE	NNE	NNE	NE	NE	NE	C	NE	NE
	16	NE	NNE	NNE	NNE	NNE	C	C	C	C	NNE	E
	17	ENE	NE	N	N	N	C	C	C	C	N	N
	18	NNE	NNE	NNE	NNE	N	N	C	C	C	C	C
	19	E	E	NNE	NNE	NNE	NNE	NNE	C	NNE	C	C
	20	ENE	ENE	NNE	NNE	NNE	NNE	C	C	C	C	C
	21	E	E	NE	NE	NE	NE	C	C	C	C	C
	22	ENE	NE	NE	NE	NE	C	C	C	C	C	C
	23	ENE	ENE	NNE	NNE	NNE	NNE	C	C	C	C	C
	24	NNE	NE	NE	NE	NE	NE	C	C	C	C	C
	25	ENE	NE	NNE	NNE	NNE	NNE	C	C	C	C	C
	26	N	NNW	N	N	N	N	C	C	C	C	C
	27	ENE	NE	NE	NE	NE	NE	C	C	C	C	C
	28	ENE	ENE	ENE	NE	ENE	NE	NE	NE	C	C	NE
	29	E	NE	NNE	NE	NE	NE	C	C	C	C	C
	30	E	ENE	N	NNE	NNE	NNE	C	C	C	C	C
	31	NNE	NNE	NNE	NNE	NNE	NNE	C	C	C	C	NNE

VELOCITY OF THE WIND IN KILOMETERS PER HOUR.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
M A Y.	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	5.6	8.0	8.9	—
	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.6	12.1	12.1	10.5	—
	3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.0	0.8	2.4	1.6	—
	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	7.2	8.0	5.6	—
	5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	6.4	6.4	5.6	—
	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	3.2	8.9	—
	7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	3.2	5.6	—
	8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	5.6	8.9	—
	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	4.0	4.0	4.8	4.8	—
	10	0.8	2.4	0.0	0.8	0.8	0.0	0.8	1.6	0.8	1.6	4.0	8.0	—
	11	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	6.4	7.2	10.5	—
	12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	2.4	6.4	8.0	8.0	—
	13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.6	0.8	4.8	6.4	—
	14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	3.2	7.2	9.7	11.3	—
	15	1.6	1.6	3.2	0.8	0.0	0.0	0.0	0.8	8.0	9.7	8.0	8.9	—
	16	0.8	0.0	0.0	0.8	2.4	2.4	0.0	2.4	4.8	0.0	1.6	1.6	—
	17	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.8	—
	18	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.8	2.4	2.4	3.2	2.4	—
	19	0.0	1.6	0.0	0.0	0.0	0.0	1.6	1.6	4.8	9.7	8.9	6.4	—
	20	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.0	2.4	4.8	7.2	7.2	—
	21	0.0	0.8	0.8	0.0	0.0	0.0	0.8	0.8	1.6	1.6	4.8	4.8	—
	22	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.0	2.4	1.6	3.2	4.8	—
	23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	6.4	—
	24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	2.4	2.4	4.0	—
	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	3.2	5.6	5.6	5.6	—
	26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	0.8	0.8	1.6	1.6	—
	27	0.0	0.0	0.8	0.0	0.0	0.0	0.8	0.8	0.8	6.4	7.2	5.6	—
	28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	9.7	9.7	9.7	12.1	—
	29	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	4.0	4.0	4.0	—
	30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	8.9	10.5	8.0	—
	31	0.0	0.0	0.0	0.0	0.0	0.0	1.6	3.2	4.8	2.4	2.4	1.6	—
Hourly Means.		0.28	0.21	0.18	0.08	0.10	0.08	0.21	0.77	2.35	4.30	5.49	6.14	—
Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
M A Y.	1	10.5	11.3	11.3	8.9	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.95
	2	14.5	19.3	12.9	6.4	5.6	2.4	0.8	0.0	0.0	0.0	0.0	0.0	4.26
	3	1.6	4.0	3.2	3.2	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.83
	4	7.2	12.1	8.9	7.2	7.2	4.0	1.6	0.8	2.4	0.8	0.8	0.0	3.11
	5	3.2	7.2	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.33
	6	9.7	7.2	6.4	7.2	2.4	0.8	0.8	0.8	0.8	0.0	0.0	0.0	2.08
	7	10.5	9.7	8.9	4.8	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0	1.98
	8	12.9	9.7	8.9	7.2	8.0	1.6	0.8	0.0	0.0	0.0	0.0	0.0	2.72
	9	8.0	11.3	14.5	13.7	8.0	2.4	0.8	0.0	0.8	0.8	0.0	0.0	3.31
	10	8.9	8.9	10.5	8.9	2.4	0.8	1.6	1.6	0.8	1.6	1.6	1.6	2.95
	11	7.2	15.3	14.5	12.9	6.4	1.6	2.4	0.8	0.0	0.0	0.0	0.0	3.62
	12	8.0	11.3	12.9	13.7	8.0	2.4	5.6	3.2	1.6	0.8	0.0	0.0	3.88
	13	7.2	4.8	6.4	8.0	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.83
	14	10.5	11.3	10.5	8.0	4.8	0.0	0.0	0.0	0.0	0.0	0.8	1.6	3.32
	15	11.3	12.9	11.3	11.3	9.7	7.2	2.4	0.8	0.8	0.0	0.8	0.8	4.66
	16	2.4	2.4	0.8	1.6	0.8	0.0	0.0	0.0	0.0	0.0	0.8	5.6	1.30
	17	5.6	9.7	4.0	3.2	3.2	0.0	0.0	0.0	0.0	0.0	0.8	0.8	1.24
	18	6.4	6.4	8.9	8.9	4.0	0.8	0.0	0.0	0.0	0.0	0.0	0.0	1.98
	19	7.2	6.4	11.3	11.3	5.6	2.4	0.8	0.0	0.0	0.8	0.0	0.0	3.35
	20	7.2	8.9	11.3	9.7	4.8	3.2	2.4	0.0	0.0	0.0	0.0	0.0	2.91
	21	6.4	6.4	9.7	7.2	1.6	0.8	0.0	0.0	0.0	0.0	0.0	0.0	2.00
	22	5.6	6.4	10.5	10.5	4.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.11
	23	4.8	8.9	14.5	14.5	10.5	3.2	0.8	0.0	0.0	0.8	0.0	0.0	2.78
	24	4.0	4.8	5.6	11.3	6.4	4.8	0.0	0.0	0.0	0.0	0.0	0.0	1.97
	25	7.2	12.1	13.7	8.9	5.6	4.8	0.0	0.0	0.0	0.0	0.0	0.0	3.05
	26	6.4	6.4	8.0	6.4	3.2	0.8	0.0	0.0	0.0	0.0	0.0	0.0	1.57
	27	10.5	12.1	12.1	12.9	6.4	1.6	0.0	0.0	0.0	0.0	0.0	0.0	3.25
	28	12.1	10.5	11.3	15.3	11.3	4.0	0.8	0.8	0.8	0.0	0.0	0.8	4.67
	29	10.5	13.7	14.5	12.1	8.0	2.4	0.8	0.0	0.0	0.0	0.0	0.0	3.28
	30	8.0	12.1	12.9	12.1	8.0	4.0	1.6	0.0	0.0	0.0	0.0	0.0	3.65
	31	4.8	7.2	9.7	11.3	7.2	0.8	0.0	0.0	0.0	0.0	0.0	0.8	2.41
Hourly Means.		7.75	9.38	9.73	8.99	5.33	1.88	0.77	0.28	0.26	0.18	0.18	0.39	2.72

CLOUDS.

CLEAR = 0. OVERCAST = 10.

Mean Batavia Time.	1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
M A Y.	1	2	1	1	1	2	3	2	0	3	1	0	—
	2	2	1	1	0	1	2	2	3	3	3	6	9
	3	5	5	9	9	9	9	10	10	10	10	10	—
	4	7	5	3	2	2	4	2	1	2	4	4	5
	5	8	6	6	6	6	4	9	6	5	6	7	9
	6	7	7	6	4	4	9	6	4	3	1	2	1
	7	4	5	4	4	1	2	2	2	2	6	6	4
	8	7	7	5	2	2	7	8	8	7	6	7	6
	9	7	4	3	4	3	3	5	3	2	2	3	4
	10	10	10	10	6	6	6	4	6	9	10	8	9
	11	6	5	6	6	7	9	8	7	6	4	3	6
	12	3	2	0	0	1	2	3	4	4	6	6	7
	13	2	3	4	3	2	4	4	4	5	6	6	5
	14	9	9	7	5	9	8	6	5	5	6	7	5
	15	6	6	4	6	6	7	9	9	5	6	5	6
	16	5	5	7	7	10	10	10	8	10	7	7	6
	17	10	7	3	5	8	9	9	9	6	4	5	4
	18	3	2	0	3	3	5	2	1	1	2	5	5
	19	6	5	4	2	2	1	3	2	5	2	2	2
	20	6	4	6	6	6	6	4	3	2	3	3	2
	21	0	0	1	3	5	9	6	6	4	3	6	6
	22	0	0	0	2	6	6	10	7	7	6	6	6
	23	0	2	1	1	3	5	6	5	5	5	4	1
	24	2	2	3	4	5	3	6	6	5	5	3	4
	25	4	6	4	6	6	4	3	2	2	2	3	7
	26	3	1	0	1	4	8	6	4	5	4	6	4
	27	6	1	1	1	0	4	3	1	1	4	6	3
	28	7	3	2	5	3	6	3	2	1	2	3	1
	29	3	2	0	0	1	4	6	6	5	6	7	5
	30	4	6	6	6	4	6	5	4	4	5	5	—
	31	2	1	1	1	2	7	6	4	6	4	6	—
Hourly Means.	4.7	4.0	3.5	3.6	4.2	5.5	5.5	4.6	4.5	4.6	5.0	4.9	—
Mean Batavia Time.	1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
M A Y.	1	7	7	6	6	9	4	3	2	1	4	6	3.1
	2	4	7	4	7	8	6	6	4	3	4	2	3.9
	3	10	10	10	10	10	10	8	6	7	6	6	8.5
	4	4	1	1	3	6	7	5	8	10	8	9	4.7
	5	9	10	10	9	9	9	10	10	8	5	7	7.5
	6	8	9	9	7	8	10	9	9	9	7	9	6.5
	7	4	5	4	6	9	10	6	5	8	6	3	4.6
	8	6	9	8	9	7	8	6	7	6	4	6	6.3
	9	2	1	1	0	1	3	5	5	5	2	3	3.2
	10	9	9	7	7	7	6	8	9	8	7	9	7.7
	11	7	6	8	8	8	10	9	4	3	2	3	6.0
	12	6	4	4	5	4	6	5	4	3	4	3	3.7
	13	6	5	4	6	8	7	9	8	6	6	8	5.3
	14	4	6	6	5	6	7	6	6	8	7	5	6.3
	15	6	5	5	6	8	7	3	2	3	1	7	5.4
	16	9	8	6	6	7	5	5	4	7	9	10	7.4
	17	6	4	6	6	6	6	9	10	8	9	8	6.9
	18	6	3	1	1	0	2	6	6	4	6	4	3.2
	19	1	3	2	1	1	3	2	2	7	5	8	3.3
	20	4	5	3	2	5	6	1	2	5	1	0	3.5
	21	4	4	5	5	6	7	6	5	8	2	0	4.3
	22	4	4	6	7	6	6	4	3	3	2	1	4.3
	23	3	1	1	2	2	3	6	4	5	4	6	3.4
	24	2	3	3	1	3	5	7	4	2	1	2	3.4
	25	4	3	4	5	5	6	3	1	2	7	4	4.3
	26	2	2	2	1	2	4	5	6	4	7	5	3.9
	27	4	5	4	2	6	6	3	2	5	4	8	3.5
	28	1	1	1	0	1	3	1	2	3	4	5	2.6
	29	4	2	0	0	1	1	2	4	2	1	1	2.7
	30	5	3	2	0	1	5	2	1	4	3	3	3.9
	31	5	4	2	5	5	6	4	5	7	9	9	4.8
Hourly Means.	5.0	4.8	4.4	4.5	5.3	5.9	5.3	4.9	5.3	4.7	5.0	4.9	4.78

BAROMETRIC PRESSURE.

BAROMETER AT 0° C = 750 MILLIMETRES + THE NUMBERS IN THE TABLE.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
J U N E.	1	10.33	10.19	9.79	9.83	10.05	10.44	10.64	10.98	11.03	10.72	10.26	9.58	—
	2	10.23	9.89	9.58	9.53	9.95	10.19	10.58	11.16	11.48	11.29	10.88	9.94	—
	3	10.74	10.27	9.84	9.80	9.98	10.41	10.99	11.07	11.11	10.89	10.31	9.69	—
	4	9.84	9.45	9.23	9.20	9.48	9.60	10.01	10.48	10.70	10.33	9.71	8.93	—
	5	9.68	9.06	8.96	8.86	8.87	8.99	9.37	9.79	9.93	9.80	9.43	8.64	—
	6	9.05	8.86	8.28	8.30	8.36	8.64	8.75	9.27	9.35	9.13	8.82	8.18	—
	7	9.06	8.69	8.40	8.47	8.69	9.02	9.27	9.73	9.74	9.78	9.32	8.43	—
	8	8.78	8.34	8.16	8.19	8.31	8.72	9.00	9.35	9.32	9.11	8.71	8.16	—
	9	8.20	7.99	7.60	7.81	8.07	8.12	8.22	8.86	9.00	8.96	8.65	8.21	—
	10	8.82	8.35	8.07	7.90	8.18	8.42	8.80	8.92	9.22	9.24	8.82	8.30	—
	11	9.27	8.91	8.87	8.69	8.76	9.26	9.44	9.90	10.08	10.18	9.72	9.05	—
	12	9.00	8.81	8.74	8.80	8.97	9.12	9.60	10.30	10.28	10.07	9.72	9.03	—
	13	9.22	8.84	8.70	8.62	8.70	8.92	9.44	9.81	10.02	10.02	9.66	9.33	—
	14	9.38	8.80	8.75	8.56	9.02	9.15	9.60	10.10	10.25	9.88	9.56	8.88	—
	15	8.13	7.75	7.53	7.54	7.60	7.97	8.30	8.85	8.85	8.83	8.51	8.09	—
	16	8.94	8.60	8.17	8.10	8.11	8.47	8.82	9.16	9.40	9.08	8.74	8.16	—
	17	8.69	8.25	8.10	8.14	8.67	9.01	9.60	10.23	10.53	10.15	9.91	9.17	—
	18	9.12	8.70	8.35	8.27	8.45	8.72	8.97	9.20	9.19	8.95	8.35	7.68	—
	19	8.46	8.12	7.79	7.95	8.06	8.37	8.92	9.50	9.64	9.80	9.67	9.15	—
	20	9.36	9.31	8.83	8.92	9.05	9.32	9.52	9.97	10.01	9.77	9.37	8.90	—
	21	9.74	9.25	8.92	9.04	9.21	9.66	9.85	10.05	10.23	10.29	9.72	9.43	—
	22	9.78	9.54	9.18	9.19	9.23	9.43	9.55	9.90	9.95	9.82	9.48	8.97	—
	23	9.55	9.20	8.99	8.81	9.02	9.15	9.51	9.94	10.20	10.13	9.62	8.88	—
	24	9.24	9.05	9.01	9.12	9.36	9.65	10.10	10.88	11.01	10.89	10.27	9.69	—
	25	10.23	10.00	9.88	10.16	10.34	10.65	10.99	11.22	11.06	10.69	10.18	9.63	—
	26	10.69	10.35	10.28	10.26	10.45	10.63	10.82	11.00	11.05	10.64	9.94	9.34	—
	27	10.44	10.15	9.87	9.80	10.03	10.36	10.80	11.04	11.20	10.88	10.46	9.68	—
	28	10.85	10.54	10.12	10.00	10.04	10.36	10.46	10.85	10.93	10.68	10.36	9.66	—
	29	10.37	9.98	9.80	9.74	9.70	10.11	10.30	10.56	10.61	10.24	9.86	9.42	—
	30	10.02	9.58	8.96	9.14	9.16	9.41	9.76	9.95	10.19	10.07	9.79	9.18	—
Hourly Means.		9.51	9.16	8.89	8.89	9.06	9.34	9.67	10.07	10.19	10.01	9.59	8.98	—
Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
J U N E.	1	9.06	8.48	8.17	8.03	8.21	8.65	9.31	9.91	10.57	10.69	10.60	10.47	9.83
	2	9.21	8.66	8.29	8.27	8.47	9.02	9.48	10.24	10.77	11.04	11.02	11.07	10.01
	3	8.92	8.32	7.96	7.91	8.08	8.48	8.98	9.69	10.32	10.63	10.54	10.20	9.80
	4	8.36	7.81	7.54	7.41	7.62	8.33	8.57	9.17	9.76	10.17	10.22	10.25	9.26
	5	8.18	7.48	6.93	6.71	6.93	7.43	8.04	8.54	9.16	9.58	9.56	9.18	8.71
	6	7.55	7.01	6.57	6.37	6.57	7.03	7.56	8.26	8.67	9.08	9.09	9.25	8.25
	7	7.90	7.17	6.76	6.67	7.26	7.43	8.04	8.71	9.23	9.36	9.31	9.13	8.57
	8	7.46	6.83	6.67	6.56	6.77	7.23	7.72	8.18	8.55	8.89	8.76	8.79	8.19
	9	7.51	6.96	6.56	6.39	6.62	7.41	7.91	8.71	9.11	9.46	9.27	9.27	8.12
	10	7.78	7.21	6.73	6.76	7.03	7.58	8.30	8.58	9.00	9.34	9.37	9.60	8.35
	11	8.57	8.09	7.44	7.29	7.37	7.52	7.90	8.61	9.00	9.27	9.29	9.25	8.82
	12	8.18	7.67	7.38	7.41	7.68	8.23	8.77	9.30	9.70	10.05	9.98	9.59	9.02
	13	8.53	7.91	7.56	7.31	7.68	8.19	8.71	9.39	9.76	9.78	9.78	9.77	8.99
	14	8.38	7.61	7.03	6.91	6.91	7.16	7.41	7.87	8.40	8.58	8.60	8.61	8.56
	15	7.37	6.48	6.33	6.15	6.32	6.58	7.43	8.29	8.82	9.10	9.22	9.30	7.89
	16	7.32	6.81	6.39	6.56	6.57	6.88	7.55	8.42	9.04	9.31	9.39	9.15	8.21
	17	8.57	7.86	7.33	7.33	7.36	7.92	8.19	8.57	8.93	9.52	9.72	9.50	8.80
	18	6.86	6.31	6.32	6.53	6.69	7.26	7.75	8.37	8.80	8.96	8.99	8.89	8.15
	19	8.27	7.44	7.39	7.05	7.28	7.50	7.89	8.44	9.05	9.48	9.70	9.75	8.53
	20	8.11	7.44	7.14	7.16	7.33	7.53	8.18	8.68	9.20	9.68	9.80	9.83	8.85
	21	8.73	8.37	7.92	7.73	7.74	8.26	8.55	9.11	9.56	9.81	10.05	9.87	9.21
	22	8.54	7.96	7.51	7.27	7.58	8.07	8.50	8.82	9.42	9.76	9.75	9.62	9.03
	23	8.33	7.88	7.73	7.63	7.91	8.27	8.73	9.08	9.46	9.68	9.70	9.57	9.04
	24	9.22	8.51	8.17	8.27	8.53	8.69	9.21	9.92	10.37	10.43	10.58	10.62	9.62
	25	9.18	8.82	8.58	8.69	8.88	9.16	9.73	10.29	10.59	10.90	10.84	10.75	10.06
	26	8.64	8.32	8.12	7.98	8.19	8.51	9.04	9.56	10.25	10.58	10.65	10.54	9.83
	27	9.22	8.81	8.77	8.93	9.01	9.21	9.79	10.52	10.86	11.00	11.12	11.05	10.13
	28	8.94	8.47	8.28	8.13	8.24	8.77	9.32	9.99	10.54	10.77	10.68	10.60	9.90
	29	8.87	8.08	7.68	7.76	8.11	8.43	8.81	9.37	9.94	10.25	10.39	10.43	9.53
	30	8.49	7.77	7.41	7.38	7.84	8.54	9.21	9.69	10.35	10.88	10.54	10.25	9.32
Hourly Means.		8.34	7.75	7.42	7.35	7.56	7.98	8.49	9.08	9.57	9.87	9.88	9.81	9.02

STANDARD THERMOMETER.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
J U N E.	1	76.4	76.0	75.0	74.1	73.5	72.8	72.8	75.0	79.1	82.0	84.0	84.6	—
	2	76.5	75.8	75.0	74.5	74.0	73.3	73.3	75.5	79.4	82.5	84.2	86.1	—
	3	75.4	74.6	73.4	72.9	71.6	71.0	71.0	74.0	78.2	82.0	81.5	86.2	—
	4	73.7	73.2	72.6	72.1	71.7	71.7	72.9	76.0	79.7	83.4	86.3	87.8	—
	5	76.4	76.0	75.8	75.7	75.4	75.4	75.6	76.6	79.4	82.5	86.0	87.2	—
	6	78.5	78.5	78.0	77.7	77.3	77.1	77.1	78.7	81.8	84.3	86.7	87.2	—
	7	77.0	76.7	76.6	76.4	76.0	75.8	76.3	78.8	81.7	84.0	87.0	88.4	—
	8	78.2	77.7	77.2	76.5	76.0	75.5	76.2	79.0	81.8	84.5	85.8	87.2	—
	9	76.2	75.8	75.4	74.4	73.6	73.0	73.5	76.6	80.4	83.6	85.6	86.3	—
	10	75.0	74.0	73.3	73.0	72.4	72.0	72.5	75.4	79.0	81.5	83.5	85.0	—
	11	77.0	76.8	76.0	75.5	75.0	74.8	74.2	75.0	76.0	79.2	81.2	83.3	—
	12	76.0	75.7	75.7	75.7	75.6	75.3	75.5	76.1	77.2	78.2	81.0	83.4	—
	13	75.6	75.2	74.9	74.3	73.9	73.5	73.8	76.4	80.4	83.4	85.0	87.0	—
	14	76.8	76.3	76.0	75.6	75.4	74.6	73.8	76.0	79.6	82.5	84.4	86.1	—
	15	77.5	77.5	77.0	76.4	76.0	75.0	75.2	77.4	80.7	83.7	86.0	87.3	—
	16	77.8	77.0	76.5	76.1	75.3	74.5	74.7	77.1	81.1	83.0	84.2	85.0	—
	17	75.9	75.4	74.8	74.0	73.4	72.5	73.4	76.2	79.9	83.0	85.0	85.9	—
	18	75.1	74.0	73.4	73.0	72.5	72.0	72.0	74.8	78.0	81.6	84.3	87.0	—
	19	74.4	74.2	73.7	73.7	74.2	73.6	74.3	75.1	74.6	78.4	80.9	82.0	—
	20	74.0	73.2	72.8	72.2	71.7	71.0	71.6	74.3	78.6	82.6	84.9	86.6	—
	21	75.9	75.2	74.8	74.3	73.9	73.6	73.2	76.0	79.9	82.6	85.1	86.7	—
	22	78.5	78.0	77.8	77.0	76.0	75.8	75.5	77.6	81.0	83.2	85.4	85.4	—
	23	77.0	76.2	76.1	75.0	74.6	74.4	75.0	77.0	80.2	82.8	84.2	85.3	—
	24	75.4	75.0	74.4	74.0	73.2	72.5	72.3	74.2	77.7	80.4	83.8	85.9	—
	25	74.8	74.0	73.0	72.2	72.0	72.0	72.0	74.6	79.3	82.0	85.0	86.5	—
	26	74.6	73.9	73.1	72.5	71.7	71.2	72.0	74.8	78.6	82.6	85.0	86.8	—
	27	76.0	75.7	74.8	74.0	73.2	72.9	73.4	75.9	79.1	82.3	85.5	86.2	—
	28	75.4	74.8	73.7	73.4	73.0	72.4	72.0	74.4	78.1	81.7	84.4	85.6	—
	29	75.2	74.6	74.0	73.1	72.7	72.5	72.5	75.5	79.6	83.5	85.0	86.6	—
	30	76.0	75.1	74.7	74.2	74.0	74.0	74.2	75.9	79.5	82.3	81.3	85.9	—

Hourly Means.	76.07	75.54	74.98	74.45	73.96	73.52	73.73	76.00	79.32	82.31	84.61	86.02	—
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Mean Batavia Time		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
J U N E.	1	85.5	85.5	84.5	83.6	83.0	82.0	80.4	78.6	78.5	78.2	77.9	77.6	79.19
	2	87.0	86.4	86.0	85.3	84.0	82.5	80.5	78.7	77.6	77.2	77.0	76.2	79.52
	3	87.5	87.0	86.1	85.0	85.3	83.2	81.2	79.7	78.0	76.3	75.0	74.1	78.88
	4	89.0	89.8	89.2	88.0	86.2	83.7	82.0	80.6	78.5	7.80	76.8	76.7	79.98
	5	88.0	88.5	88.0	86.6	85.4	83.5	82.1	81.2	80.2	79.8	79.0	78.7	80.96
	6	88.9	87.9	87.1	87.2	85.5	83.6	82.4	81.0	79.9	78.6	77.9	77.2	81.67
	7	89.4	88.5	88.7	87.7	85.5	83.7	82.0	81.0	80.2	79.3	78.6	78.0	81.55
	8	88.5	88.5	87.7	87.2	86.0	83.8	81.9	80.5	79.4	77.7	77.2	76.8	81.28
	9	88.0	88.7	88.2	86.5	85.0	83.0	82.0	79.8	78.0	77.0	75.8	75.0	80.06
	10	85.6	84.4	83.0	82.9	82.2	81.2	80.4	79.5	79.3	78.4	77.8	77.2	78.69
	11	85.0	84.3	85.1	83.9	82.0	81.0	80.2	79.0	78.4	77.7	76.9	77.0	78.94
	12	85.4	85.5	84.0	84.6	84.1	80.9	79.5	78.1	77.1	76.3	75.6	75.8	78.85
	13	88.3	88.1	87.9	86.0	85.1	83.5	81.8	80.5	79.7	78.7	77.2	77.2	80.31
	14	86.0	86.4	86.3	86.0	84.2	82.8	81.2	80.5	79.5	79.3	78.9	78.0	80.26
	15	88.4	87.5	86.8	86.4	85.3	83.4	81.8	80.0	79.0	78.2	77.5	77.2	80.88
	16	87.1	86.5	86.8	85.4	84.2	82.7	81.3	80.1	79.4	78.0	77.3	76.4	80.31
	17	87.0	86.7	87.9	86.4	84.4	82.8	80.4	78.8	77.1	76.6	76.6	75.8	79.58
	18	87.6	87.3	84.3	84.1	83.9	82.1	80.9	78.9	77.1	76.1	75.5	74.9	78.77
	19	85.0	86.0	79.0	80.6	82.6	81.3	79.0	77.5	76.4	75.4	74.9	74.5	77.55
	20	86.6	86.0	85.0	84.8	83.6	82.0	80.4	79.0	77.8	77.4	77.0	76.4	78.73
	21	87.7	86.0	85.1	84.6	84.1	82.0	81.0	80.5	79.6	79.0	79.0	78.6	79.93
	22	85.8	85.1	85.1	84.0	82.7	82.0	81.5	81.0	80.5	78.5	77.7	77.5	80.53
	23	87.1	85.9	85.9	85.5	84.9	82.8	81.0	80.0	79.4	79.0	77.6	76.1	80.13
	24	87.0	87.2	87.6	86.7	84.8	82.4	81.0	79.3	78.4	77.1	76.0	75.3	79.23
	25	87.7	88.6	86.7	85.6	84.0	82.2	80.6	79.0	77.8	76.5	75.8	75.0	79.04
	26	87.5	87.2	86.2	85.1	84.1	82.5	80.4	78.8	78.3	78.0	77.4	76.8	79.13
	27	86.8	86.1	84.8	84.0	82.8	82.0	81.1	80.5	79.6	79.0	78.3	77.5	79.65
	28	87.0	87.9	87.0	86.3	84.3	82.4	80.8	79.4	78.1	77.7	77.0	76.0	79.28
	29	87.8	88.5	88.4	86.7	85.2	83.2	81.0	79.7	78.2	76.9	76.2	75.5	79.67
	30	86.6	87.0	85.7	84.5	83.5	81.8	76.4	76.8	76.6	77.0	77.0	76.5	79.15

Hourly Means.	87.16	86.97	86.14	85.37	84.26	82.53	80.87	79.60	78.59	77.76	77.08	76.52	79.72
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RELATIVE HUMIDITY OF THE AIR.

SATURATION = 1000.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
J U N E.	1	873	889	905	912	903	910	893	847	785	694	654	631	—
	2	906	906	914	922	930	903	894	848	780	648	597	587	—
	3	864	863	877	868	891	908	908	845	762	639	561	522	—
	4	861	877	885	892	892	892	860	794	743	645	570	513	—
	5	826	825	841	832	840	856	848	842	772	730	587	569	—
	6	838	853	845	852	875	875	875	822	735	663	620	629	—
	7	900	899	891	906	923	923	915	854	785	694	603	550	—
	8	893	892	900	916	923	923	915	839	757	669	636	599	—
	9	874	881	889	913	920	920	903	858	774	706	661	643	—
	10	871	887	920	911	919	919	902	864	808	707	672	589	—
	11	907	916	899	923	930	922	930	930	881	832	748	685	—
	12	915	923	915	915	915	931	931	931	916	885	820	719	—
	13	915	914	930	930	921	929	929	899	760	692	653	610	—
	14	907	915	906	905	905	922	921	849	786	702	668	624	—
	15	900	900	916	924	915	930	930	876	761	680	624	599	—
	16	884	883	899	906	914	922	930	883	755	712	688	658	—
	17	905	898	904	903	911	928	938	882	773	670	614	573	—
	18	872	903	903	902	910	909	901	798	746	658	617	549	—
	19	896	869	877	869	845	844	820	814	913	769	704	659	—
	20	895	911	910	910	909	918	883	846	778	675	613	583	—
	21	906	922	930	930	930	929	911	865	803	703	639	602	—
	22	862	877	892	907	915	923	931	876	805	739	615	634	—
	23	891	915	899	913	921	930	922	900	781	676	630	614	—
	24	889	897	904	913	911	902	902	853	775	681	540	497	—
	25	863	878	894	910	910	910	909	822	654	568	481	505	—
	26	879	887	886	885	891	900	866	830	696	563	545	473	—
	27	873	856	871	878	868	868	852	801	734	629	554	545	—
	28	855	871	895	894	894	910	892	846	783	659	591	572	—
	29	889	905	930	920	937	902	910	848	714	594	557	541	—
	30	841	864	879	878	887	887	878	856	786	716	623	630	—
Hourly Means.		882	889	897	901	905	908	900	854	777	687	623	590	—
Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
J U N E.	1	615	596	630	652	683	736	781	822	846	853	868	876	786
	2	549	607	580	589	628	695	760	808	852	851	851	865	770
	3	522	561	586	631	582	630	697	721	782	802	831	845	737
	4	491	468	454	480	611	672	736	745	814	805	834	818	723
	5	532	555	548	577	684	659	701	740	774	787	808	815	731
	6	576	637	659	659	705	768	786	820	848	877	884	892	775
	7	572	603	598	643	711	761	822	843	856	870	878	885	787
	8	574	579	624	616	667	740	785	834	840	860	867	866	780
	9	561	569	567	651	724	788	799	772	790	833	872	888	782
	10	610	635	696	710	757	770	818	832	831	861	876	900	803
	11	645	668	665	735	778	805	834	854	869	844	858	883	831
	12	654	661	735	716	721	768	816	861	883	899	906	906	843
	13	568	621	584	661	697	733	785	835	871	885	907	900	797
	14	566	626	624	655	722	780	813	835	863	870	878	901	801
	15	579	623	620	613	683	712	749	810	823	845	867	867	781
	16	610	619	620	672	714	773	813	833	847	868	883	899	799
	17	537	596	576	607	668	731	767	770	811	817	833	864	770
	18	534	568	635	615	628	680	710	784	835	850	848	871	759
	19	595	580	838	782	731	734	838	875	890	889	888	896	809
	20	631	624	657	676	705	763	818	847	868	883	900	906	796
	21	625	668	684	702	714	772	790	804	817	847	839	862	800
	22	655	659	626	687	765	785	813	827	849	846	868	884	802
	23	543	622	585	576	600	689	775	795	816	823	859	881	773
	24	480	515	530	535	593	681	732	785	799	819	849	864	744
	25	467	440	566	603	660	715	753	801	820	850	856	880	738
	26	471	526	581	625	687	702	766	800	814	829	859	858	742
	27	583	617	625	601	669	728	769	796	809	823	846	868	753
	28	567	571	583	598	648	701	768	809	830	836	851	873	762
	29	518	523	568	620	639	644	703	750	791	827	825	856	746
	30	608	579	628	662	704	806	865	866	874	900	891	833	789
Hourly Means.		571	591	616	638	683	731	779	809	834	848	863	873	777

DIRECTION OF THE WIND.

Mean Batavia Time.	1 A. M.	2	3	4	5	6	7	8	9	10	11	12
JUNE.	1	NNE	C	C	C	C	C	C	NNE	NNE	NNE	NNE
	2	C	C	C	C	C	C	C	N	N	NE	ENE
	3	NE	C	NE	C	C	C	C	NE	NE	ENE	ENE
	4	C	C	C	C	C	C	NNE	NNE	NNE	ESE	ESE
	5	ENE	ENE	C	C	C	ENE	C	ENE	ENE	E	ENE
	6	C	C	C	C	C	C	E	E	E	E	ENE
	7	C	C	C	C	C	ENE	ENE	E	E	E	ENE
	8	C	C	C	C	C	C	NE	SE	E	E	E
	9	C	C	C	C	C	ENE	ENE	ENE	ENE	ENE	ENE
	10	C	C	C	C	C	C	SE	SE	SE	SE	SE
	11	C	NNW	NNW	N	NNE	C	C	C	NE	NE	NE
	12	C	C	C	C	C	C	C	C	NNE	NE	ENE
	13	C	C	C	C	C	C	E	ESE	E	E	E
	14	C	C	C	C	C	C	ENE	ENE	ENE	E	ENE
	15	C	C	C	C	C	C	NE	NE	E	ENE	ENE
	16	C	C	C	C	C	C	ENE	E	E	ESE	ESE
	17	NE	NE	C	C	C	C	ENE	ESE	ESE	ESE	E
	18	C	C	C	C	C	C	NE	ENE	ENE	ENE	ENE
	19	C	C	NE	NE	NE	NE	NE	NE	ESE	SSE	S
	20	C	C	C	C	C	C	C	ENE	ENE	ENE	NE
	21	C	C	C	C	C	C	C	NE	E	E	ENE
	22	C	C	C	C	C	C	NE	NE	NE	NE	NE
	23	C	NNE	NNE	C	C	C	C	NE	ENE	ENE	ENE
	24	C	C	C	C	C	C	NE	NE	NE	ENE	ENE
	25	C	C	C	C	NE	C	C	NE	ESE	E	E
	26	C	C	C	C	C	C	C	ENE	ENE	ENE	ENE
	27	C	C	C	C	C	C	NE	NE	NE	ENE	E
	28	C	C	C	C	C	C	C	NNE	NE	NE	NE
	29	C	C	NE	C	C	C	NE	ESE	ESE	E	E
	30	C	C	C	C	C	C	NE	NE	NE	NE	NE
Mean Batavia Time.	1 P. M.	2	3	4	5	6	7	8	9	10	11	12
JUNE.	1	NNE	NNE	N	N	N	C	C	C	C	C	C
	2	ENE	N	NNE	NE	NE	C	C	C	C	C	C
	3	E	ENE	NE	NNE	NNE	C	C	C	C	C	C
	4	E	ENE	ENE	ENE	ENE	C	C	ENE	C	C	ENE
	5	ENE	ENE	ENE	ENE	ENE	C	C	C	C	C	C
	6	ENE	NE	NNE	NE	NE	NE	ENE	C	C	C	C
	7	ENE	NNE	NE	ENE	NE	NE	NE	C	C	C	C
	8	E	E	ENE	ENE	ENE	ENE	ENE	C	C	ENE	C
	9	ENE	ENE	ENE	NE	ENE	C	SE	SE	SE	C	C
	10	ENE	NNE	N	N	NNW	C	NNW	NNW	C	C	C
	11	NE	NNE	NNE	NNE	NNE	C	C	C	C	C	C
	12	ENE	E	NE	NNE	E	C	C	C	C	C	C
	13	ENE	NE	E	ENE	ENE	NE	C	C	C	C	C
	14	N	NNE	NNE	NE	NE	C	C	C	C	C	C
	15	ENE	NE	NNE	NE	NE	ENE	C	C	C	C	C
	16	E	NE	NE	NE	NE	NE	NE	NE	C	C	C
	17	E	NE	NE	NE	NE	NE	C	C	C	C	C
	18	ENE	NNE	NNE	NE	NE	NE	C	C	NE	C	C
	19	SE	E	ENE	C	ENE	C	C	C	C	C	C
	20	NNE	NNE	NNE	NNE	NE	C	C	C	C	C	C
	21	NE	NNE	NNE	NE	NE	NE	C	C	C	C	C
	22	NE	NE	N	NNE	NNE	NNE	C	C	C	C	C
	23	NE	N	N	NE	NE	C	C	C	C	C	C
	24	NE	NE	NE	NE	NE	NE	C	C	C	C	C
	25	ENE	NE	NE	NE	NE	ENE	C	C	C	C	C
	26	ENE	NE	NNE	NE	NE	C	C	C	C	C	C
	27	NE	NE	N	NNE	NNE	C	C	C	C	C	C
	28	NE	NE	NE	NE	NE	NE	C	C	C	C	C
	29	E	ENE	NE	NE	NE	C	C	C	C	C	C
	30	NE	NE	N	N	N	NNW	NNW	C	C	C	NNW

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VELOCITY OF THE WIND IN KILOMETERS PER HOUR.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
J U N E.	1	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	2.4	1.6	2.4	—
	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	4.8	6.4	11.3	—
	3	0.8	0.0	0.8	0.0	0.0	0.0	0.0	0.0	0.8	4.8	8.9	11.3	—
	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.6	4.8	10.5	12.1	—
	5	2.4	1.6	0.0	0.0	0.0	0.8	0.0	0.0	0.8	1.6	6.4	9.7	—
	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	0.0	2.4	5.6	4.0	—
	7	0.0	0.0	0.0	0.0	0.0	0.0	1.6	4.8	3.2	4.0	8.0	10.5	—
	8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	8.0	10.5	9.7	9.7	—
	9	0.0	0.0	0.0	0.0	0.0	0.0	0.8	2.4	3.2	5.6	8.0	12.1	—
	10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	1.6	0.8	0.8	0.8	—
	11	0.0	0.8	1.6	0.8	0.8	0.0	0.0	0.0	0.8	0.8	0.8	4.0	—
	12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	4.0	7.2	—
	13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	2.4	7.2	8.9	12.9	—
	14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	3.2	4.0	8.0	—
	15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	2.4	5.6	8.9	8.9	—
	16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	8.0	11.3	10.5	9.7	—
	17	0.8	0.8	0.0	0.0	0.0	0.0	0.0	1.6	6.4	11.3	12.1	8.9	—
	18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	3.2	1.6	3.2	7.2	—
	19	0.0	0.0	0.8	0.8	1.6	0.8	0.8	1.6	2.4	8.0	8.9	7.2	—
	20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	3.2	8.0	8.0	—
	21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	8.0	9.7	7.2	—
	22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	4.0	8.0	7.2	10.5	—
	23	0.0	0.8	0.8	0.0	0.0	0.0	0.0	0.0	4.8	8.0	5.6	6.4	—
	24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	2.4	2.4	4.0	9.7	—
	25	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	3.2	8.0	11.3	11.3	—
	26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	3.2	5.6	8.0	—
	27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	3.2	4.0	5.6	—
	28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	3.2	8.0	6.4	—
	29	0.0	0.0	0.8	0.0	0.0	0.0	0.0	1.6	6.4	12.9	12.9	14.5	—
	30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	3.2	6.4	6.4	—
Hourly Means.		0.16	0.13	0.16	0.05	0.11	0.05	0.11	1.15	2.56	5.16	7.00	8.40	—
Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
J U N E.	1	9.7	8.9	9.7	7.2	4.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0	2.08
	2	9.7	10.5	12.9	12.9	7.2	1.6	0.0	0.0	0.0	0.0	0.0	0.0	3.25
	3	10.5	9.7	8.9	6.4	3.2	2.4	0.0	0.0	0.0	0.0	0.0	0.0	2.85
	4	16.1	15.3	16.1	12.9	8.0	3.2	0.0	0.0	0.8	0.0	0.0	0.8	4.29
	5	12.1	12.1	10.5	8.9	6.4	0.8	0.0	0.0	0.0	0.0	0.0	0.0	3.09
	6	8.0	10.5	8.0	9.7	9.7	3.2	3.2	0.8	0.0	0.0	0.0	0.0	2.78
	7	8.9	9.7	13.7	15.3	8.0	3.2	1.6	0.0	0.0	0.0	0.0	0.0	3.85
	8	9.7	8.9	13.7	12.9	9.7	4.8	3.2	0.8	0.0	0.0	0.8	0.0	4.37
	9	12.1	15.3	12.9	12.1	7.2	1.6	0.0	2.4	0.8	0.8	0.0	0.0	4.05
	10	8.9	8.9	8.0	5.6	2.4	0.0	0.0	0.8	0.8	0.0	0.0	0.0	1.74
	11	4.0	4.0	6.4	6.4	2.4	0.8	0.0	0.0	0.0	0.0	0.0	0.0	1.40
	12	8.0	9.7	10.5	10.5	5.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.35
	13	13.7	12.1	12.1	10.5	7.2	3.2	0.8	0.0	0.0	0.0	0.0	0.0	3.83
	14	15.3	15.3	15.3	12.9	9.7	3.2	0.0	0.0	0.0	0.0	0.0	0.0	3.69
	15	12.1	12.1	12.1	12.1	9.7	4.0	1.6	0.0	0.0	0.0	0.0	0.0	3.76
	16	12.1	14.5	16.1	13.7	10.5	3.2	1.6	1.6	0.8	0.0	0.0	0.0	4.90
	17	8.0	10.5	9.7	11.3	9.7	7.2	1.6	0.0	0.0	0.0	0.0	0.0	4.16
	18	8.9	14.5	15.3	12.1	7.2	2.4	0.8	0.0	0.0	1.6	0.0	0.0	3.42
	19	8.0	12.1	6.4	0.0	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.51
	20	12.1	14.5	14.5	12.9	9.7	3.2	0.0	0.0	0.0	0.0	0.0	0.0	3.62
	21	13.7	16.9	18.5	14.5	10.5	6.4	3.2	0.0	0.0	0.0	0.0	0.0	4.66
	22	12.9	16.9	16.1	15.3	6.4	3.2	0.8	0.0	0.0	0.0	0.0	0.0	4.25
	23	10.5	12.9	16.9	14.5	7.2	3.2	0.0	0.0	0.0	0.0	0.0	0.0	3.82
	24	12.9	10.5	8.0	11.3	13.7	6.4	2.4	0.0	0.0	0.0	0.0	0.0	3.55
	25	11.3	12.9	16.1	16.9	15.3	8.0	0.8	0.0	0.0	0.0	0.0	0.0	4.83
	26	10.5	13.7	14.5	15.3	11.3	2.4	0.0	0.0	0.0	0.0	0.0	0.0	3.55
	27	8.9	16.9	15.3	14.5	8.0	0.8	0.0	0.0	0.0	0.0	0.0	0.0	3.28
	28	7.2	7.2	11.5	11.5	12.1	7.2	1.6	0.0	0.0	0.0	0.0	0.0	3.48
	29	14.5	16.1	13.7	9.7	8.0	2.4	0.0	0.0	0.0	0.0	0.0	0.0	4.73
	30	7.2	8.9	11.3	12.1	4.8	2.4	3.2	0.8	0.0	0.0	0.0	0.8	2.95
Hourly Means.		10.58	12.07	12.59	11.50	7.88	3.04	0.88	0.24	0.11	0.08	0.03	0.05	3.50

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CLOUDS.

CLEAR = 0. — OVERCAST = 10.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
J U N E.	1	3	5	2	2	1	2	4	4	3	4	2	7	—
	2	2	3	3	2	2	6	2	1	3	1	2	3	—
	3	4	3	2	2	0	3	6	2	2	3	4	3	—
	4	6	4	2	1	4	1	7	3	2	2	2	3	—
	5	9	9	10	10	10	10	10	8	7	7	4	2	—
	6	10	10	10	10	10	10	10	9	6	4	2	4	—
	7	5	3	4	3	5	7	3	1	1	3	4	6	—
	8	10	4	4	2	5	7	9	4	4	3	5	5	—
	9	2	4	4	6	4	6	4	3	4	7	8	8	—
	10	1	1	1	2	3	5	1	2	4	2	1	0	—
	11	10	10	10	10	10	10	10	10	10	10	8	6	—
	12	5	6	7	7	6	6	9	9	9	10	10	6	—
	13	3	2	1	1	2	3	3	5	2	2	5	5	—
	14	6	4	6	4	6	4	2	2	1	2	4	5	—
	15	9	10	9	6	4	7	6	4	3	1	1	2	—
	16	9	3	2	1	2	3	3	3	1	4	6	6	—
	17	1	0	4	2	0	3	0	0	1	1	2	4	—
	18	2	1	0	0	1	2	4	3	2	2	5	3	—
	19	2	4	4	4	6	7	10	9	9	8	7	6	—
	20	5	1	1	2	2	3	4	3	2	1	2	3	—
	21	2	1	1	2	1	2	2	1	1	4	4	6	—
	22	9	9	9	7	7	7	1	1	4	3	3	6	—
	23	8	4	4	3	7	8	5	3	3	2	5	5	—
	24	4	5	2	3	4	4	5	4	3	2	2	3	—
	25	2	2	1	5	3	8	2	4	0	3	2	1	—
	26	1	0	1	1	1	2	1	1	0	0	0	0	—
	27	7	7	3	1	0	5	6	1	0	1	2	4	—
	28	4	3	5	3	2	4	4	3	3	4	3	4	—
	29	6	4	6	4	6	4	4	2	5	7	8	6	—
	30	8	6	3	5	7	7	7	7	6	4	6	3	—
Hourly Means.		5.2	4.3	4.0	3.7	4.0	5.2	4.8	3.7	3.4	3.6	4.0	4.2	—
Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
J U N E.	1	6	4	4	3	1	6	5	6	8	6	8	5	4.2
	2	4	4	1	1	0	2	4	6	6	6	4	6	3.1
	3	1	1	1	1	2	5	3	3	2	4	2	1	2.5
	4	2	1	2	2	3	4	2	1	4	7	4	9	3.3
	5	9	7	8	8	9	10	10	10	10	10	10	10	8.6
	6	1	2	0	0	1	1	2	1	1	2	1	4	4.6
	7	6	4	2	1	0	2	2	9	8	7	8	9	4.3
	8	3	5	2	1	1	1	2	1	1	1	2	2	3.5
	9	6	5	5	3	3	3	2	6	7	2	2	1	4.4
	10	8	6	5	7	8	7	9	7	9	10	9	10	4.9
	11	6	5	4	4	2	6	3	2	2	3	6	4	6.7
	12	3	5	7	6	8	4	8	6	4	5	6	6	6.6
	13	3	4	6	7	9	9	7	7	9	5	6	7	4.7
	14	4	3	2	2	2	4	0	8	8	8	9	9	4.4
	15	3	2	2	3	3	2	1	5	3	6	2	7	4.2
	16	5	6	6	6	5	4	3	2	2	1	1	2	3.6
	17	5	5	3	1	0	2	3	2	1	1	2	1	1.8
	18	2	2	2	1	3	3	3	5	7	6	2	2	2.6
	19	5	5	9	5	3	5	1	0	0	0	0	8	4.9
	20	5	4	4	6	8	4	5	2	2	7	5	4	3.5
	21	4	2	1	0	1	4	5	8	9	10	10	10	3.8
	22	2	1	1	1	2	6	7	7	4	6	4	6	4.7
	23	3	2	1	1	0	2	3	5	8	6	4	2	3.9
	24	2	2	1	1	3	4	2	4	3	3	1	3	2.9
	25	2	2	3	3	7	9	4	5	3	3	2	3	3.3
	26	2	1	2	2	4	2	1	3	5	4	4	2	1.7
	27	5	3	3	3	3	6	8	7	8	6	7	6	4.3
	28	6	5	3	2	2	3	3	5	7	7	7	4	4.0
	29	5	4	4	5	3	6	3	1	2	1	1	6	4.3
	30	4	3	4	3	9	10	10	10	9	9	9	9	6.6
Hourly Means.		4.1	3.5	3.3	3.0	3.5	4.5	4.0	4.8	5.1	5.1	4.6	5.3	4.20

BAROMETRIC PRESSURE.

BAROMETER AT 0°C = 750 MILLIMETRES + THE NUMBERS IN THE TABLE.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
JULY.	1	10.02	9.80	9.36	9.36	9.38	9.70	9.96	10.39	10.66	10.37	9.98	9.39	—
	2	9.77	9.45	9.33	9.36	9.53	10.12	10.55	11.04	11.09	10.87	10.58	9.91	—
	3	11.35	11.04	10.48	10.41	10.49	10.78	11.40	11.68	11.83	11.44	11.11	10.61	—
	4	10.43	9.84	9.37	9.11	9.44	9.55	9.78	10.46	10.97	10.99	10.49	9.78	—
	5	9.89	9.47	9.33	9.34	9.21	9.09	9.12	9.45	9.95	9.63	9.13	8.49	—
	6	9.83	9.59	9.42	9.11	9.48	9.70	9.89	10.16	10.11	9.64	9.35	8.63	—
	7	9.35	8.98	8.52	8.38	8.91	9.23	9.65	10.25	10.49	10.19	9.82	9.08	—
	8	9.70	9.46	9.25	9.33	9.53	9.52	9.65	10.06	10.23	9.90	9.35	8.92	—
	9	9.34	9.16	9.18	9.36	9.65	10.03	10.52	10.95	11.01	10.74	10.08	9.42	—
	10	9.24	9.22	9.02	8.95	9.37	9.54	9.80	10.20	10.18	10.00	9.32	8.58	—
	11	9.02	8.88	8.50	8.39	8.47	8.91	9.32	9.77	9.97	9.62	9.18	8.57	—
	12	9.30	8.82	8.32	8.21	8.43	8.69	9.02	9.24	9.26	9.21	8.63	8.03	—
	13	8.76	8.57	8.45	8.58	8.80	9.16	9.70	10.23	10.49	10.20	9.81	9.51	—
	14	9.84	9.69	9.71	9.74	9.79	10.05	10.43	10.68	10.90	10.82	10.64	10.03	—
	15	10.53	9.95	9.69	9.42	9.84	10.26	10.86	11.45	11.64	11.67	11.19	10.52	—
	16	11.68	11.19	10.70	10.72	10.94	11.00	11.03	11.60	11.75	11.58	11.03	10.41	—
	17	11.40	10.94	10.65	10.48	10.56	10.70	10.99	11.51	11.75	11.54	10.96	10.43	—
	18	10.19	9.88	9.70	9.83	10.00	10.34	10.83	11.16	11.32	11.13	10.61	10.01	—
	19	9.73	9.20	8.81	8.81	9.06	9.32	9.95	10.41	10.45	10.38	10.01	9.43	—
	20	10.00	9.78	9.60	9.64	9.66	9.84	10.32	10.47	10.56	10.39	9.92	9.49	—
	21	9.98	9.75	9.36	9.33	9.68	9.95	10.26	10.67	10.81	10.77	10.10	9.53	—
	22	9.77	9.64	9.48	9.48	9.66	9.80	10.14	10.55	10.75	10.52	10.20	9.61	—
	23	9.95	9.44	9.22	8.90	8.75	8.94	9.49	9.67	9.85	9.67	9.49	8.93	—
	24	9.73	9.39	9.19	9.40	9.45	9.85	10.08	10.55	10.59	10.09	9.56	8.67	—
	25	9.65	9.47	9.35	9.36	9.58	9.66	10.17	10.67	10.63	10.13	9.59	8.80	—
	26	9.99	9.83	9.51	9.96	10.34	10.63	10.66	11.01	10.98	10.54	9.86	9.13	—
	27	9.51	9.38	9.31	9.50	9.80	10.01	10.48	10.86	11.00	10.85	10.10	9.24	—
	28	9.86	9.54	9.45	9.61	9.65	9.92	10.21	10.85	10.83	10.47	9.78	9.18	—
	29	9.83	9.22	9.23	9.22	9.30	9.97	10.49	10.92	10.98	10.58	9.99	9.28	—
	30	9.19	8.76	8.55	8.43	8.47	8.90	9.62	10.07	10.41	10.49	10.02	9.48	—
	31	9.01	8.45	8.01	8.01	8.25	8.41	8.86	9.31	9.54	9.16	8.79	8.08	—
Hourly Means.		9.87	9.54	9.29	9.28	9.47	9.73	10.10	10.53	10.68	10.44	9.96	9.33	—
Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
JULY.	1	9.13	8.49	8.39	8.51	8.64	9.07	9.51	9.85	10.27	10.20	10.09	9.93	9.60
	2	9.43	9.03	8.77	8.67	8.83	9.09	9.51	10.30	10.87	11.33	11.34	11.44	10.01
	3	9.82	9.47	9.08	8.99	9.37	9.88	10.33	10.86	11.19	11.34	11.12	10.79	10.62
	4	9.42	8.93	8.39	7.96	8.11	8.52	9.19	9.68	10.43	10.45	10.44	10.27	9.67
	5	7.80	7.14	6.54	6.42	6.70	7.28	8.03	8.74	9.16	9.55	9.72	10.08	8.72
	6	8.23	7.57	7.29	6.97	7.02	7.37	8.03	8.69	9.15	9.53	9.66	9.55	8.92
	7	8.49	7.73	7.46	7.59	7.88	8.30	8.68	9.30	9.62	9.78	9.82	9.88	9.06
	8	8.36	7.73	7.74	7.66	7.68	7.89	8.20	8.68	9.20	9.50	9.55	9.41	9.02
	9	8.63	7.72	7.33	7.27	7.38	7.62	7.88	8.61	9.05	9.09	9.31	9.13	9.12
	10	7.70	7.32	7.30	7.18	7.34	7.73	8.41	8.68	9.30	9.50	9.52	9.15	8.86
	11	7.97	7.36	7.04	7.41	7.90	8.35	8.70	9.24	9.73	9.90	9.84	9.69	8.82
	12	7.51	6.96	6.91	7.02	7.47	7.81	8.44	8.88	9.19	9.27	9.11	8.84	8.44
	13	8.97	8.28	8.08	8.24	8.38	8.79	9.17	9.54	9.77	9.92	10.04	9.93	9.22
	14	9.48	9.07	8.67	8.63	8.73	9.03	9.38	9.91	10.57	10.78	11.14	11.17	9.95
	15	10.02	9.40	8.98	9.10	9.22	9.76	10.72	11.16	11.76	12.02	12.19	11.85	10.55
	16	9.90	9.17	8.85	8.88	8.91	9.56	10.71	10.96	11.46	11.65	11.70	11.68	10.71
	17	9.54	8.77	8.43	8.34	8.57	8.83	9.49	10.06	10.35	10.62	10.64	10.38	10.25
	18	9.34	8.66	8.31	8.07	8.06	8.49	8.94	9.69	10.06	10.19	10.17	10.20	9.80
	19	8.89	8.23	7.95	7.93	8.19	8.51	9.21	9.76	10.10	10.12	10.18	10.20	9.37
	20	8.70	8.03	7.51	7.41	7.66	8.10	8.69	9.48	9.87	10.08	10.28	10.22	9.40
	21	9.02	8.09	7.71	7.62	7.71	8.05	8.44	9.04	9.65	9.83	9.84	9.80	9.37
	22	9.02	8.44	8.29	8.12	8.31	8.55	9.22	9.85	10.34	10.37	10.47	10.24	9.62
	23	8.28	7.44	7.31	7.37	7.74	8.25	8.70	9.47	9.70	9.80	10.02	10.03	9.02
	24	8.07	7.22	6.93	7.16	7.48	8.12	8.58	9.47	9.91	10.05	10.03	9.92	9.15
	25	8.21	7.63	7.54	7.66	8.03	8.18	9.31	9.91	10.19	10.18	10.12	10.09	9.35
	26	8.63	8.33	8.06	8.09	8.32	8.63	9.03	9.61	9.92	9.97	9.78	9.68	9.60
	27	8.48	8.03	7.74	7.77	7.98	8.43	9.03	9.40	10.07	10.13	10.14	10.10	9.17
	28	8.41	7.71	7.61	7.47	7.83	8.33	8.75	9.53	9.91	10.13	10.25	10.09	9.39
	29	8.76	8.12	7.79	7.57	7.66	7.85	8.53	9.16	9.64	9.78	9.83	9.70	9.31
	30	8.82	8.06	7.49	7.56	7.63	8.12	8.53	8.92	9.32	9.47	9.44	9.25	8.96
	31	7.50	6.78	6.49	6.51	6.81	7.48	7.92	8.61	8.99	9.08	9.24	9.10	8.27
Hourly Means.		8.73	8.09	7.81	7.78	7.99	8.40	8.91	9.52	9.96	10.12	10.16	10.07	9.41

STANDARD THERMOMETER.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
JULY.	1	75.5	74.6	74.0	73.5	72.1	71.7	72.3	74.8	78.8	81.4	83.3	85.1	—
	2	75.2	74.2	73.5	72.2	71.8	71.2	71.4	74.0	77.9	81.5	84.5	86.7	—
	3	75.0	74.3	73.6	73.0	72.4	71.7	72.2	75.3	79.0	82.7	84.5	86.2	—
	4	75.6	75.2	74.6	74.0	73.4	72.6	72.9	76.2	78.2	81.9	83.5	83.8	—
	5	76.1	75.9	75.4	75.0	75.0	74.6	74.6	75.7	77.0	80.0	81.9	83.6	—
	6	77.4	77.0	76.2	75.0	75.0	73.6	73.0	73.8	75.0	76.7	78.5	81.4	—
	7	73.0	72.8	72.0	71.8	71.4	71.0	71.2	73.2	76.7	80.5	83.4	85.4	—
	8	74.6	73.0	73.2	73.2	72.3	71.9	71.9	72.4	76.8	80.3	83.4	85.6	—
	9	74.6	74.0	73.2	72.6	72.2	72.0	72.2	73.9	77.6	81.2	83.6	84.6	—
	10	73.8	73.0	72.2	71.9	71.7	71.0	71.0	73.3	77.6	80.1	82.6	85.1	—
	11	74.8	73.7	72.0	70.9	70.3	69.4	69.8	72.8	77.9	81.7	83.5	85.1	—
	12	74.2	73.8	73.0	72.4	72.0	71.0	71.3	74.5	79.0	81.9	85.0	85.5	—
	13	76.0	75.4	74.9	74.5	74.4	74.2	74.3	77.2	81.0	83.8	85.0	85.5	—
	14	76.0	75.4	75.0	74.5	74.1	73.6	73.6	76.5	80.7	84.0	85.9	87.1	—
	15	77.0	76.4	76.3	75.5	74.9	74.1	74.2	77.3	81.3	83.3	85.2	87.5	—
	16	76.5	76.3	76.0	75.6	74.9	74.9	75.2	78.0	80.5	83.3	86.0	87.8	—
	17	75.7	75.0	74.8	74.2	73.6	73.2	73.2	76.0	79.5	82.3	84.4	85.2	—
	18	76.5	75.7	75.4	74.9	74.4	73.6	73.6	75.6	79.0	81.5	82.2	84.5	—
	19	77.3	76.9	76.0	75.0	73.6	72.6	73.3	75.6	79.9	82.3	84.7	86.3	—
	20	74.4	73.6	73.3	72.3	72.0	71.4	71.4	73.6	77.9	81.1	84.2	85.5	—
	21	75.0	74.1	73.3	73.0	72.5	71.7	72.0	73.8	77.0	80.6	84.1	85.1	—
	22	75.8	75.0	74.0	73.2	72.5	71.9	72.5	75.0	79.0	81.9	83.8	86.0	—
	23	75.4	74.0	73.1	72.1	71.4	70.8	70.6	73.8	77.8	81.8	84.1	85.8	—
	24	76.0	75.3	74.4	74.0	74.0	73.5	73.4	74.9	78.1	82.4	85.0	86.7	—
	25	75.3	74.3	74.3	74.0	72.9	72.0	72.0	73.8	77.6	81.6	84.5	86.6	—
	26	74.7	73.9	73.1	72.7	72.0	71.4	71.6	74.8	78.9	82.4	84.8	88.0	—
	27	73.4	72.7	72.6	72.8	73.2	72.8	73.0	75.1	78.0	79.1	82.5	85.2	—
	28	73.2	71.8	71.0	70.4	70.0	69.5	69.9	72.6	77.7	80.6	83.5	85.9	—
	29	74.3	73.4	73.0	72.3	71.6	71.5	71.9	75.0	79.0	82.8	85.0	87.4	—
	30	75.0	74.2	73.0	72.6	71.8	71.6	71.6	74.3	78.2	80.6	82.9	85.5	—
	31	75.3	74.0	72.9	72.0	71.3	70.9	70.9	73.1	76.0	79.9	82.8	85.3	—
Hourly Means.		75.25	74.48	73.85	73.26	72.73	72.16	72.32	74.71	78.34	81.46	83.82	85.65	—
Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
JULY.	1	86.3	86.3	83.6	82.2	82.2	80.6	80.3	79.5	78.5	77.7	77.0	76.3	78.65
	2	86.8	86.2	85.3	84.0	83.6	81.8	80.0	78.5	77.2	76.5	76.0	75.7	78.57
	3	86.0	85.5	83.9	84.2	83.0	81.9	80.8	79.3	78.8	78.2	77.4	76.2	78.96
	4	83.0	83.5	84.3	83.7	82.5	81.0	79.6	78.5	78.0	77.4	76.5	76.1	78.58
	5	84.4	83.5	84.5	83.5	81.6	80.9	79.8	79.0	78.8	78.0	78.0	77.8	78.94
	6	82.0	82.6	83.6	83.3	82.6	81.0	79.1	77.3	76.4	75.4	74.8	74.0	77.70
	7	86.7	87.8	86.4	83.4	82.5	81.1	80.1	79.7	79.5	78.6	77.1	76.5	78.41
	8	86.5	85.1	83.9	83.3	82.3	81.1	79.0	77.8	77.0	76.0	75.0	75.0	77.94
	9	85.7	85.8	85.8	83.0	81.8	80.7	79.5	78.0	76.8	76.0	75.5	74.6	78.12
	10	85.0	84.6	81.4	81.8	81.8	80.4	79.4	78.0	77.0	76.5	76.3	76.0	77.56
	11	85.6	87.0	84.7	83.7	82.3	80.6	79.4	78.0	76.6	75.6	75.3	75.0	77.74
	12	86.3	87.3	87.3	86.1	84.8	82.4	80.6	79.0	78.0	77.2	76.9	76.2	78.99
	13	87.0	87.0	86.3	85.2	84.5	82.4	81.0	79.4	78.2	78.2	77.3	76.7	79.98
	14	87.0	87.0	86.3	85.5	84.6	82.4	81.0	80.0	79.0	77.9	78.1	77.4	80.11
	15	86.0	87.6	86.4	85.2	84.0	82.4	81.0	80.4	79.0	78.4	77.8	76.8	80.33
	16	87.3	86.9	85.6	84.3	83.7	82.0	81.2	79.9	77.5	76.4	76.4	76.3	80.10
	17	85.8	85.0	84.5	83.1	82.7	81.6	80.7	79.5	79.5	78.5	77.6	77.5	79.30
	18	85.8	85.5	84.5	84.0	82.8	81.6	81.0	80.4	79.8	78.9	78.6	77.9	79.49
	19	87.0	86.0	85.0	83.7	82.7	81.5	80.3	79.0	78.0	77.0	76.5	75.6	79.41
	20	85.8	86.7	85.4	84.2	83.4	81.6	80.1	79.0	77.8	76.5	75.8	75.8	78.45
	21	87.0	86.3	85.2	84.6	83.1	81.3	80.5	80.2	79.4	78.6	77.3	76.6	78.85
	22	86.5	86.3	84.0	83.7	82.6	81.3	80.5	78.9	78.6	77.6	76.7	76.3	78.90
	23	87.5	86.0	85.0	84.3	83.1	82.0	81.0	79.8	78.8	78.0	77.1	76.9	78.76
	24	89.0	87.0	86.8	85.6	84.0	82.0	80.9	79.6	79.0	78.5	77.5	76.3	79.75
	25	87.8	86.0	85.4	84.0	83.4	81.5	80.3	79.8	78.4	78.1	77.5	76.0	79.05
	26	88.5	85.6	85.6	84.3	83.5	82.3	80.3	79.2	78.0	76.8	75.4	74.1	78.83
	27	87.4	85.4	84.5	84.0	84.2	82.7	80.2	78.2	77.5	76.6	75.0	73.6	78.32
	28	87.7	86.5	85.5	84.9	83.6	82.4	80.4	79.0	78.2	77.0	75.7	74.8	77.99
	29	88.0	85.8	84.9	84.4	83.5	81.8	80.3	79.5	78.5	78.0	76.9	76.0	78.95
	30	86.3	86.6	86.0	84.8	83.4	81.6	80.5	79.4	78.2	77.2	76.8	76.6	78.70
	31	86.5	85.0	84.6	83.6	82.5	81.3	80.4	79.4	78.5	76.5	76.0	75.2	78.08
Hourly Means.		86.39	85.92	85.04	84.05	83.11	81.59	80.30	79.14	78.21	77.35	76.64	75.99	78.82

RELATIVE HUMIDITY OF THE AIR.

SATURATION = 1000.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
JULY.	1	872	888	896	869	875	874	807	757	611	564	543	481	—
	2	880	896	895	909	901	909	900	812	737	610	536	473	—
	3	855	862	877	886	893	901	867	815	756	630	599	558	—
	4	856	864	871	878	886	910	902	833	738	687	612	596	—
	5	865	864	889	888	880	879	871	841	811	736	728	640	—
	6	844	859	857	846	855	903	920	929	880	834	792	734	—
	7	894	894	909	909	909	927	918	869	764	612	512	464	—
	8	757	818	827	818	841	831	831	791	719	605	524	456	—
	9	757	763	776	783	782	773	756	723	642	583	501	484	—
	10	754	768	790	797	806	829	839	720	586	544	539	481	—
	11	862	827	807	803	863	879	888	817	627	571	506	458	—
	12	820	819	826	850	849	873	865	797	661	605	563	554	—
	13	848	840	846	829	821	829	829	796	755	673	639	628	—
	14	890	898	889	897	896	895	877	810	704	622	617	599	—
	15	907	924	899	898	905	913	921	828	741	698	620	569	—
	16	906	915	906	905	922	922	914	861	797	691	605	566	—
	17	856	871	879	896	903	911	911	857	795	730	642	620	—
	18	899	905	914	922	913	921	911	856	801	686	668	651	—
	19	875	883	890	898	912	902	877	832	758	661	575	540	—
	20	888	903	903	919	919	909	918	853	745	650	534	512	—
	21	872	878	886	894	893	892	874	845	779	675	584	540	—
	22	856	879	887	886	885	892	902	839	727	645	614	537	—
	23	880	887	860	857	848	855	864	837	752	612	548	513	—
	24	873	872	854	819	811	801	810	822	739	577	486	445	—
	25	815	821	764	771	809	824	824	787	699	565	490	451	—
	26	871	869	876	876	884	909	900	805	704	601	514	464	—
	27	844	851	850	842	843	842	826	767	715	712	603	534	—
	28	843	857	882	898	907	906	898	843	729	648	575	509	—
	29	829	836	835	850	866	866	857	766	683	590	528	472	—
	30	822	829	834	842	849	840	805	764	659	667	597	548	—
	31	880	853	833	815	804	829	847	801	777	665	590	506	—
Hourly Means.		854	861	862	863	869	876	869	815	729	644	580	535	—
Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
JULY.	1	510	552	659	708	700	696	730	785	799	829	843	865	738
	2	513	570	584	647	645	720	773	799	827	842	849	832	752
	3	581	596	665	661	684	713	775	816	800	821	836	857	763
	4	636	652	630	619	653	703	757	792	790	812	833	849	765
	5	694	639	616	645	734	732	750	771	778	806	821	820	779
	6	721	690	633	606	634	690	733	796	817	817	863	878	798
	7	433	439	558	612	634	676	714	735	712	739	757	772	723
	8	454	533	544	566	600	648	704	728	764	784	766	742	694
	9	524	543	543	629	658	667	712	760	787	784	721	732	683
	10	594	636	711	707	671	774	785	813	827	817	809	825	726
	11	461	435	512	545	601	667	741	760	786	800	815	798	701
	12	570	528	539	551	600	702	760	793	814	813	851	857	729
	13	585	592	588	614	649	716	797	816	846	853	875	883	756
	14	622	628	625	640	669	765	812	841	854	884	884	900	780
	15	681	661	668	690	721	786	820	842	863	869	884	899	800
	16	622	646	685	701	713	772	820	750	765	833	825	833	786
	17	649	671	676	704	716	770	790	840	832	853	867	875	796
	18	604	602	604	628	689	734	768	796	817	839	854	868	785
	19	521	551	594	645	661	712	767	785	821	851	857	881	760
	20	550	535	565	596	618	691	708	748	782	826	841	841	748
	21	520	581	564	567	635	677	723	737	779	792	827	834	744
	22	552	593	634	620	682	748	767	808	815	836	858	874	764
	23	466	561	594	597	643	699	739	780	800	821	843	851	738
	24	399	452	477	549	621	666	716	757	771	770	805	825	697
	25	478	556	540	596	618	705	752	765	791	776	805	832	701
	26	466	518	542	584	626	668	736	756	768	787	839	837	725
	27	473	517	566	583	559	622	665	709	713	733	790	827	708
	28	473	540	547	567	618	653	666	697	715	757	784	822	722
	29	464	537	587	579	562	625	679	712	731	744	772	801	699
	30	564	572	617	611	671	741	774	808	836	859	875	882	744
	31	512	538	512	573	647	643	709	733	754	777	752	758	713
Hourly Means.		545	570	593	617	649	703	717	775	792	812	826	837	742

DIRECTION OF THE WIND.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12
JULY.	1	C	C	C	C	C	NNW	NNW	NNW	NNW	NNW	ENE	ENE
	2	C	C	C	C	C	C	C	NE	NE	NE	ENE	E
	3	C	C	C	C	C	C	C	NNE	NNE	NNE	NE	NE
	4	C	C	C	C	C	C	NE	C	C	NE	N	NE
	5	C	C	C	C	C	NNW	NNW	NNW	NNW	ENE	ENE	NE
	6	C	C	C	C	NE	NNE	C	C	C	NNE	NNE	NNE
	7	C	C	C	C	C	C	C	NE	NE	ESE	E	E
	8	C	C	C	C	C	C	C	C	NE	E	E	E
	9	C	NNE	NNE	NNE	NNE	NNE	NNE	C	NNE	NNE	NNE	NNE
	10	NNE	NNE	C	C	NNE	C	C	NNE	NNE	NNE	NNW	NNW
	11	C	C	N	NNE	C	C	NNE	NNE	SE	E	ESE	E
	12	NE	C	C	C	C	C	NE	NE	SE	E	E	ENE
	13	ENE	ENE	C	C	ENE	ENE	ENE	E	E	E	E	ENE
	14	C	C	C	NE	NE	C	NE	NE	ESE	E	ENE	ENE
	15	NE	NE	NE	ENE	C	C	C	ENE	ESE	E	E	ENE
	16	C	C	C	C	C	C	NE	ESE	SE	E	E	ENE
	17	C	C	C	C	C	C	C	C	C	NE	NE	NE
	18	C	C	C	C	C	C	C	NNE	NNE	NNE	NE	NE
	19	C	C	C	C	C	C	C	N	NE	ENE	E	ENE
	20	C	C	C	C	C	C	C	NNE	NNE	NE	NE	NE
	21	C	C	C	C	C	C	C	C	NNE	NNE	SE	SE
	22	C	C	C	C	C	C	NNE	C	NNE	NE	ENE	NE
	23	C	C	C	C	C	C	C	NNE	NNE	NE	NE	NE
	24	NE	C	C	C	NE	NE	NE	NE	NE	E	E	ESE
	25	C	NE	ESE	SE	SE	SE	C	C	C	SE	E	E
	26	C	C	C	C	C	C	C	ENE	SSE	SSE	SSE	ESE
	27	C	C	C	C	C	NE	NE	NE	NE	C	NE	E
	28	C	C	C	C	C	C	C	C	NE	NE	E	E
	29	C	C	C	C	NNE	NNE	NNE	ENE	E	E	ENE	ESE
	30	C	C	C	C	C	NE	C	NE	NE	NE	NE	NE
	31	C	C	C	C	C	C	C	C	C	N	N	NNW

Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12
JULY.	1	ENE	NNE	NE	NE	NE	NE	C	C	C	C	C	C
	2	NE	NNE	NNE	NNE	NNE	NNE	C	C	NNE	NNE	C	C
	3	NE	NNE	NNE	NNE	NE	NE	NE	C	C	NE	C	C
	4	NE	N	N	NNW	NNW	NNW	C	C	C	C	C	C
	5	NNE	N	N	NNE	NE	NE	C	C	C	C	C	C
	6	NNE	NNE	NNE	NE	NE	NE	C	C	C	C	C	C
	7	E	ESE	NE	NE	NE	NE	C	C	C	C	NE	NE
	8	NNE	NNE	N	N	N	NNE	C	C	C	C	NNE	C
	9	NNE	NNE	N	N	NNE	NNE	C	C	C	NNE	NNE	NNE
	10	NNE	N	N	N	N	N	C	C	C	N	C	C
	11	E	NE	NE	NE	NE	NE	C	NE	NE	C	NE	NE
	12	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE
	13	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	C	NE
	14	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	C	C
	15	NNE	NE	NE	NE	NE	NE	NE	C	C	C	C	C
	16	NNE	NNE	NE	NE	ENE	NE	C	C	C	NE	C	C
	17	N	NE	NE	NNE	NE	NNE	C	C	C	C	C	C
	18	NE	NE	NE	NE	NE	NE	C	C	C	C	C	C
	19	NE	NNE	NNE	NNE	NNE	NNE	C	C	C	C	C	C
	20	NNE	NNE	NNE	NNE	NNE	NNE	NNE	C	C	C	C	C
	21	E	NE	NE	NNE	NNE	NNE	C	C	C	C	C	C
	22	NNE	N	N	NNE	NNE	C	C	C	C	C	C	C
	23	NE	NNE	NE	NE	NE	NE	C	C	C	C	C	C
	24	ENE	NNE	NNE	NE	NE	NE	C	C	C	C	C	C
	25	NNE	N	NE	NE	NE	NE	C	C	C	C	C	C
	26	NNE	NNE	NNE	NE	NE	NE	C	C	C	C	C	C
	27	ENE	NNE	NNE	NNE	NE	NE	C	C	C	NE	C	C
	28	E	NNE	NNE	NNE	NNE	C	C	C	C	C	C	C
	29	E	NNE	NNE	NE	NE	NE	C	C	C	C	C	C
	30	NE	N	NNW	N	N	N	C	C	C	C	C	C
	31	NE	NNE	N.	NNE	NNE	NNE	C	C	C	C	C	C

VELOCITY OF THE WIND IN KILOMETERS PER HOUR.

Mean Batavia Time.		1 A.M.	2	3	4	5	6	7	8	9	10	11	12	—
JULY.	1	0.0	0.0	0.0	0.0	0.0	0.8	3.2	1.6	4.0	5.6	6.4	7.2	—
	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.6	1.6	6.4	7.2	—
	3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	1.6	2.4	6.4	8.0	—
	4	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.0	0.0	5.6	8.0	8.0	—
	5	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	4.0	6.4	8.9	7.2	—
	6	0.0	0.0	0.0	0.0	4.8	5.6	0.0	0.0	0.0	0.8	1.6	3.2	—
	7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	3.2	9.7	15.3	13.7	—
	8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	5.6	3.2	8.9	—
	9	0.0	0.8	0.8	0.8	0.8	0.8	0.8	0.0	2.4	3.2	1.6	4.0	—
	10	0.8	1.6	0.0	0.0	0.8	0.0	0.0	1.6	0.8	2.4	2.4	2.4	—
	11	0.0	0.0	0.8	0.8	0.0	0.0	1.6	4.8	10.5	16.1	14.5	11.3	—
	12	0.8	0.0	0.0	0.0	0.0	0.0	0.8	4.8	11.3	16.1	16.1	17.7	—
	13	1.6	0.8	0.0	0.0	2.4	0.8	1.6	7.2	13.7	16.1	17.7	16.1	—
	14	0.0	0.0	0.0	2.4	0.8	0.0	0.8	2.4	12.9	12.9	12.9	9.7	—
	15	0.8	3.2	3.2	3.2	0.0	0.0	0.0	9.7	8.9	11.3	11.3	12.9	—
	16	0.0	0.0	0.0	0.0	0.0	0.0	0.8	4.8	9.7	12.9	13.7	12.9	—
	17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.6	4.0	—
	18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	6.4	9.7	8.0	14.5	—
	19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	4.8	8.0	9.7	9.7	—
	20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	4.8	2.4	2.4	1.6	—
	21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	3.2	4.8	2.4	—
	22	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.0	1.6	4.8	6.4	9.7	—
	23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	2.4	3.2	4.0	7.2	—
	24	0.8	0.0	0.0	0.0	0.8	1.6	2.4	1.6	1.6	8.9	12.1	8.0	—
	25	0.0	3.2	4.0	2.4	0.8	0.8	0.0	0.0	0.0	4.0	6.4	9.7	—
	26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	5.6	2.4	1.6	8.0	—
	27	0.0	0.0	0.0	0.0	0.0	0.8	2.4	1.6	1.6	0.0	0.8	5.6	—
	28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	4.0	8.0	—
	29	0.0	0.0	0.0	0.0	0.8	0.8	1.6	2.4	0.8	3.2	5.6	8.0	—
	30	0.0	0.0	0.0	0.0	0.0	0.8	0.0	0.8	1.6	1.6	1.6	2.4	—
	31	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	2.4	—
Hourly Means.		0.15	0.31	0.28	0.31	0.39	0.44	0.59	1.89	3.84	5.96	7.00	8.12	—
Mean Batavia Time.		1 P.M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
JULY.	1	12.1	12.1	18.5	11.3	4.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0	3.68
	2	9.7	16.1	12.1	14.5	11.3	4.8	0.0	0.0	0.8	0.8	0.0	0.0	3.65
	3	8.9	8.0	10.5	9.7	6.4	4.8	0.8	0.0	0.0	1.6	0.0	0.0	2.98
	4	12.9	11.3	8.9	2.4	2.4	0.8	0.0	0.0	0.0	0.0	0.0	0.0	2.55
	5	8.9	9.7	9.7	13.7	8.9	1.6	0.0	0.0	0.0	0.0	0.0	0.0	3.39
	6	9.7	8.9	8.0	8.9	4.0	1.6	0.0	0.0	0.0	0.0	0.0	0.0	2.38
	7	8.0	4.8	16.9	12.9	5.6	2.4	0.0	0.0	0.0	0.0	0.8	1.6	4.02
	8	14.5	12.9	11.3	8.9	4.8	2.4	0.0	0.0	0.0	0.0	0.8	0.0	3.12
	9	8.0	6.4	9.7	11.3	6.4	2.4	0.0	0.0	0.0	0.8	1.6	1.6	2.68
	10	12.1	12.9	10.5	9.7	4.8	0.8	0.0	0.0	0.0	0.8	0.0	0.0	2.68
	11	11.3	11.3	17.7	14.5	8.0	3.2	0.0	0.8	0.8	0.0	0.8	0.8	5.40
	12	15.3	18.5	18.5	14.5	10.5	7.2	3.2	0.8	1.6	0.8	0.8	1.6	6.70
	13	19.3	19.3	19.3	16.9	12.1	6.4	3.2	1.6	0.8	0.8	0.0	0.8	74.4
	14	14.5	16.1	18.5	17.7	13.7	6.4	6.4	1.6	0.8	2.4	0.0	0.0	6.37
	15	12.9	18.5	19.3	17.7	14.5	11.3	4.8	0.0	0.0	0.0	0.0	0.0	6.81
	16	15.3	17.7	19.3	18.5	12.9	2.4	0.0	0.0	0.0	0.8	0.0	0.0	5.90
	17	12.1	16.9	16.1	14.5	9.7	1.6	0.0	0.0	0.0	0.0	0.0	0.0	3.22
	18	14.5	12.9	8.0	6.4	5.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0	3.72
	19	12.9	14.5	16.1	14.5	7.2	0.8	0.0	0.0	0.0	0.0	0.0	0.0	4.19
	20	6.4	9.7	12.1	12.1	8.0	4.0	0.8	0.0	0.0	0.0	0.0	0.0	2.71
	21	1.6	11.3	12.9	11.3	8.0	1.6	0.0	0.0	0.0	0.0	0.0	0.0	2.45
	22	9.7	12.1	11.3	11.3	7.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.12
	23	9.7	15.3	16.1	15.3	8.0	1.6	0.0	0.0	0.0	0.0	0.0	0.0	3.48
	24	9.7	12.9	16.1	14.5	12.9	2.4	0.0	0.0	0.0	0.0	0.0	0.0	4.43
	25	12.9	16.1	17.7	17.7	11.3	4.8	0.0	0.0	0.0	0.0	0.0	0.0	4.66
	26	14.5	17.7	17.7	15.3	11.3	4.0	0.0	0.0	0.0	0.0	0.0	0.0	4.25
	27	8.9	14.5	15.3	13.7	10.5	4.0	0.0	0.0	0.0	0.8	0.0	0.0	3.35
	28	9.7	15.3	16.1	12.1	8.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.19
	29	12.9	20.1	16.1	14.5	10.5	4.0	0.0	0.0	0.0	0.0	0.0	0.0	4.22
	30	5.6	9.7	10.5	8.0	4.0	2.4	0.0	0.0	0.0	0.0	0.0	0.0	2.04
	31	9.7	15.3	13.7	12.9	6.4	0.8	0.0	0.0	0.0	0.0	0.0	0.0	2.68
Hourly Means.		11.10	13.51	14.34	12.81	8.41	3.00	0.62	0.15	0.15	0.31	0.15	0.21	3.92

CLOUDS.

CLEAR = 0. — OVERCAST = 10.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
JULY.	1	4	4	6	3	4	5	2	0	1	1	1	2	—
	2	5	3	2	2	3	4	2	1	1	0	1	2	—
	3	4	2	1	1	2	3	4	2	1	2	5	6	—
	4	5	6	4	6	5	6	8	6	9	8	5	9	—
	5	9	9	9	10	9	10	9	8	8	4	6	7	—
	6	8	7	9	10	10	10	10	10	10	10	8	8	—
	7	3	2	2	1	2	3	3	3	3	3	2	1	—
	8	4	3	9	8	4	3	7	7	4	3	3	5	—
	9	6	5	4	7	6	6	7	6	6	5	7	6	—
	10	2	1	1	2	4	4	4	5	4	7	4	3	—
	11	3	2	3	1	1	2	4	4	3	7	8	7	—
	12	3	3	2	1	2	3	2	2	1	1	2	3	—
	13	2	1	0	1	2	4	3	2	5	5	5	6	—
	14	5	6	5	3	6	4	2	2	1	2	6	7	—
	15	6	4	2	2	2	6	4	3	4	4	6	4	—
	16	2	2	1	1	2	2	1	0	2	1	2	3	—
	17	3	4	5	2	1	3	1	0	2	3	6	6	—
	18	7	3	4	2	2	4	4	3	2	2	5	3	—
	19	3	1	3	6	4	4	9	4	2	4	3	4	—
	20	1	0	0	0	2	3	2	1	3	2	4	7	—
	21	0	0	0	1	0	1	1	2	0	0	1	5	—
	22	7	3	1	0	0	5	7	0	0	1	2	2	—
	23	2	1	1	0	0	4	4	3	3	2	2	3	—
	24	5	6	4	2	2	6	6	4	3	2	2	3	—
	25	1	0	0	1	2	2	2	4	1	2	1	3	—
	26	2	1	0	1	1	1	1	2	1	0	0	3	—
	27	1	1	7	9	9	8	2	6	8	10	3	4	—
	28	1	0	2	3	3	4	3	2	1	2	2	1	—
	29	4	2	1	4	4	4	3	2	2	2	4	3	—
	30	5	3	3	1	2	4	4	1	4	3	7	3	—
	31	2	1	0	1	1	1	3	1	1	0	1	4	—
Hourly Means.		3.7	2.8	2.9	3.0	3.1	4.2	4.0	3.0	3.1	3.3	3.7	4.3	—
Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
JULY.	1	4	2	1	2	3	4	6	7	9	5	3	2	3.4
	2	4	2	1	1	0	2	5	6	4	6	6	6	2.9
	3	7	7	8	9	7	5	3	7	8	5	5	5	4.5
	4	9	7	5	3	5	6	3	3	7	4	9	9	6.1
	5	4	6	7	6	8	6	7	10	9	9	10	10	7.9
	6	8	4	2	1	4	6	4	3	2	2	3	2	6.3
	7	0	0	1	2	4	6	9	6	6	9	8	6	3.5
	8	2	1	1	0	0	1	2	6	8	9	8	8	4.4
	9	5	3	4	2	2	3	2	3	8	2	2	1	4.5
	10	7	7	9	6	6	7	6	6	7	9	9	5	5.2
	11	2	4	3	4	7	6	8	3	2	6	3	1	3.9
	12	6	5	5	3	2	4	5	4	6	7	6	4	3.4
	13	2	1	0	0	0	1	1	0	0	1	1	3	1.9
	14	5	5	4	2	2	3	1	1	1	5	6	7	3.8
	15	6	5	3	3	4	3	3	2	3	1	5	3	3.7
	16	2	2	3	4	4	6	5	3	7	8	9	9	3.4
	17	4	2	1	0	1	3	6	4	7	6	4	2	3.2
	18	0	0	0	0	0	2	5	10	8	10	4	7	3.6
	19	5	2	2	2	3	5	3	1	1	1	3	1	3.2
	20	5	4	3	2	2	3	7	8	5	3	9	2	3.3
	21	2	1	4	2	4	6	6	9	7	4	3	8	2.8
	22	5	5	2	0	1	3	7	6	6	4	4	2	3.0
	23	1	1	1	0	0	2	5	8	6	6	9	9	3.0
	24	2	2	0	1	2	5	3	6	8	7	1	1	3.5
	25	2	1	1	1	2	4	6	5	5	3	3	2	2.3
	26	2	1	2	1	4	4	2	7	3	2	0	0	1.8
	27	7	3	6	2	2	2	4	2	4	3	4	2	4.5
	28	3	2	1	0	0	2	1	4	4	3	1	1	1.9
	29	3	2	0	0	0	0	3	5	9	3	8	5	3.0
	30	7	4	3	3	2	4	2	1	0	0	0	0	2.8
	31	4	2	2	1	4	4	5	6	7	5	10	4	3.1
Hourly Means.		4.0	3.0	2.7	2.0	2.7	3.8	4.4	4.9	5.3	4.9	5.0	4.1	3.66

BAROMETRIC PRESSURE.

BAROMETER AT 0°C = 750 MILLIMETRES + THE NUMBERS IN THE TABLE.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
AUGUST.	1	8.69	8.36	8.06	7.91	8.00	8.23	8.99	9.31	9.37	9.15	8.91	8.20	—
	2	8.90	8.57	8.46	8.34	8.56	8.87	9.32	9.85	10.06	10.04	9.62	8.93	—
	3	9.59	9.68	9.39	9.14	9.11	9.42	10.10	10.44	10.41	10.30	10.03	9.27	—
	4	9.11	8.86	8.73	8.67	8.99	9.36	10.09	10.60	10.86	10.79	10.24	9.54	—
	5	9.07	8.90	8.97	9.06	9.08	9.46	10.02	10.45	10.38	10.07	9.65	9.09	—
	6	9.39	8.95	8.92	8.95	8.88	9.00	9.13	9.65	9.74	9.40	9.02	8.41	—
	7	9.44	9.33	9.16	9.29	9.41	9.55	10.10	10.48	10.42	10.02	9.41	8.63	—
	8	10.56	10.05	9.66	9.68	9.71	9.76	9.96	10.19	10.08	9.47	8.79	8.21	—
	9	8.77	8.40	8.17	8.12	8.51	8.56	8.99	9.51	9.46	9.48	9.12	8.50	—
	10	8.87	8.48	8.42	8.66	8.99	9.57	9.89	9.99	9.95	9.67	9.12	8.63	—
	11	9.63	9.14	9.07	9.21	9.43	9.75	9.94	10.21	10.50	10.04	9.68	8.91	—
	12	9.99	9.81	9.49	9.33	9.54	9.91	10.75	11.30	11.49	11.13	10.53	9.87	—
	13	10.60	10.44	10.13	10.13	10.51	10.59	10.80	11.25	11.35	11.12	10.49	9.73	—
	14	10.15	9.79	9.73	9.68	9.69	9.86	10.32	10.84	10.95	10.65	9.89	9.32	—
	15	9.99	9.70	9.15	8.93	9.12	9.15	9.52	9.89	10.14	10.02	9.62	8.96	—
	16	9.20	8.63	8.42	8.66	8.79	8.97	9.30	9.74	9.98	9.78	9.16	8.44	—
	17	9.07	8.90	8.77	8.75	8.96	9.04	9.41	9.70	9.86	9.85	9.36	8.82	—
	18	9.83	9.52	8.96	8.91	8.99	9.07	9.46	9.94	10.45	10.45	9.88	8.93	—
	19	9.57	9.19	9.07	9.00	9.37	9.60	9.89	10.56	10.75	10.34	9.58	8.74	—
	20	9.28	8.86	8.64	8.62	8.67	8.90	9.12	9.83	10.04	9.68	9.02	8.43	—
	21	9.22	8.99	8.57	8.86	8.93	9.26	9.56	9.91	10.14	9.96	9.43	8.88	—
	22	9.16	8.80	8.72	8.80	8.97	9.29	9.80	9.58	9.77	9.66	9.21	8.44	—
	23	8.66	8.40	8.14	8.10	8.10	8.36	8.49	8.76	9.18	8.87	8.41	7.83	—
	24	9.06	8.64	8.06	7.92	8.31	8.71	9.41	10.06	10.30	9.85	9.38	9.19	—
	25	9.69	9.30	9.17	9.12	9.15	9.50	10.03	10.60	10.78	10.52	9.81	8.98	—
	26	9.33	8.92	8.84	8.80	8.88	9.16	9.75	10.08	10.58	10.25	9.59	8.94	—
	27	9.45	8.49	9.83	9.85	10.53	9.70	10.90	12.70	11.94	10.53	14.05	10.90	—
	28	10.06	9.72	9.23	9.43	9.74	10.32	10.85	11.43	11.77	11.77	11.00	10.33	—
	29	9.20	8.36	8.56	8.88	9.20	9.80	10.47	10.67	11.41	11.58	11.00	10.19	—
	30	10.20	9.73	9.70	9.58	9.63	9.89	10.46	11.44	11.14	10.74	10.63	9.73	—
	31	10.68	10.26	9.95	10.05	10.11	10.49	10.94	11.55	11.80	11.39	10.49	9.58	—
Hourly Means.		9.50	9.13	8.97	8.98	9.16	9.39	9.86	10.34	10.49	10.21	9.81	9.05	—
Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
AUGUST.	1	7.51	6.82	6.49	6.51	6.59	6.90	7.72	8.49	8.97	9.10	9.36	9.40	8.21
	2	8.06	7.51	7.27	7.33	7.41	7.59	8.49	9.18	9.72	9.89	9.93	9.73	8.82
	3	8.66	8.07	7.91	7.62	7.93	8.32	9.08	9.42	9.83	9.93	9.87	9.70	9.30
	4	8.67	8.01	7.57	7.48	7.61	7.77	8.53	9.24	9.69	9.85	9.83	9.63	9.16
	5	8.56	8.06	7.66	7.49	7.43	7.82	8.32	9.13	9.45	9.68	9.77	9.74	9.05
	6	7.79	7.26	7.06	7.03	7.33	7.78	8.35	9.16	9.70	9.75	9.88	9.78	8.76
	7	7.61	7.17	7.05	7.07	7.41	8.16	8.98	10.03	10.42	10.60	10.80	10.75	9.22
	8	7.41	7.14	6.79	6.72	7.00	7.27	7.83	8.73	9.48	9.62	9.40	9.33	8.87
	9	7.59	6.79	6.58	6.61	6.99	7.47	8.13	8.86	9.20	9.39	9.49	9.30	8.42
	10	8.22	7.78	7.59	7.56	8.09	8.57	8.99	9.56	10.13	10.20	10.24	10.09	9.05
	11	8.44	7.88	7.87	7.89	7.98	8.59	9.52	9.99	10.32	10.62	10.63	10.27	9.40
	12	9.21	8.76	8.41	8.31	8.59	9.23	9.78	10.51	10.93	11.09	11.21	10.94	10.00
	13	9.31	8.70	8.52	8.35	8.90	9.43	10.09	10.48	10.62	10.80	10.72	10.53	10.15
	14	8.54	7.97	7.42	7.38	7.76	8.16	8.85	9.57	10.16	10.32	10.48	10.35	9.49
	15	8.74	8.08	7.48	7.38	7.38	7.62	7.95	8.48	8.90	9.24	9.50	9.34	8.93
	16	7.99	7.37	6.90	6.95	7.08	7.36	8.04	9.02	9.42	9.69	9.65	9.35	8.66
	17	7.83	7.33	7.25	7.21	7.26	7.78	8.53	9.02	9.68	10.06	10.08	9.99	8.85
	18	8.33	7.75	7.53	7.50	7.59	8.01	8.57	9.22	9.51	9.88	10.08	9.93	9.10
	19	8.01	7.52	7.07	7.05	7.33	7.79	8.35	8.92	9.43	9.67	10.00	9.70	9.02
	20	7.78	7.38	6.89	6.94	7.23	7.90	8.53	9.09	9.58	9.78	9.82	9.63	8.74
	21	8.17	7.51	7.13	6.94	7.12	7.64	8.50	9.09	9.52	9.78	9.57	9.25	8.83
	22	7.67	6.99	6.74	6.74	6.93	7.39	8.04	8.47	9.05	9.20	9.33	9.06	8.58
	23	7.40	6.83	6.48	6.77	7.16	7.93	8.67	9.38	9.69	10.10	10.10	9.79	8.40
	24	8.29	7.77	7.69	7.68	7.88	8.23	8.75	9.40	10.03	9.94	9.95	9.83	8.93
	25	8.34	7.73	7.38	7.23	7.66	8.27	9.08	9.56	9.91	10.18	10.08	9.72	9.24
	26	8.06	7.36	6.99	6.87	7.77	8.81	8.75	9.62	9.67	10.43	10.19	10.22	9.08
	27	11.10	9.35	8.75	9.01	8.97	8.98	9.17	10.20	10.45	10.90	10.40	10.20	10.27
	28	9.56	8.98	8.50	8.32	8.58	9.29	9.68	10.33	9.88	11.40	11.29	10.35	10.08
	29	9.43	8.73	8.41	8.37	8.52	8.88	9.71	10.33	10.64	10.73	10.75	10.49	9.77
	30	9.07	8.28	7.88	7.98	8.32	8.80	9.27	9.82	10.43	10.88	11.18	10.88	9.82
	31	8.85	8.40	8.13	7.83	8.22	8.71	9.29	9.94	9.90	10.14	10.48	10.38	9.90
Hourly Means.		8.39	7.78	7.46	7.42	7.68	8.15	8.76	9.43	9.82	10.09	10.13	9.92	9.16

STANDARD THERMOMETER.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
AUGUST.	1	74.7	73.7	72.4	71.6	71.1	70.7	70.9	73.9	78.0	81.7	84.6	86.5	—
	2	73.0	72.0	71.6	71.2	71.4	70.4	70.4	72.7	76.8	80.4	83.5	84.5	—
	3	72.0	71.6	71.0	70.6	70.6	70.3	70.5	73.6	77.9	81.5	84.1	85.8	—
	4	73.8	73.0	72.2	72.0	71.6	70.7	71.0	73.6	77.3	80.5	83.6	86.0	—
	5	73.6	72.5	72.0	71.1	70.6	70.3	70.7	73.9	78.2	81.8	84.9	85.0	—
	6	76.0	75.2	74.6	73.9	73.4	73.0	73.3	76.5	80.9	83.9	86.0	87.6	—
	7	75.6	75.4	73.9	73.5	72.7	72.2	72.9	76.0	81.0	85.0	88.0	90.4	—
	8	73.7	73.2	72.9	72.3	71.6	70.2	70.9	74.1	79.1	84.1	87.6	89.4	—
	9	73.8	73.3	72.1	72.0	71.3	70.7	70.5	73.5	79.1	82.0	85.0	87.0	—
	10	73.5	72.4	71.4	70.2	69.9	69.0	69.9	75.0	79.0	82.5	84.7	86.0	—
	11	75.5	75.0	74.3	73.8	73.0	72.5	72.3	75.2	79.1	82.5	86.2	86.2	—
	12	74.5	74.4	73.6	72.7	72.2	71.7	72.2	74.6	78.0	81.8	84.8	86.0	—
	13	78.4	77.6	77.0	76.4	75.2	74.1	73.3	76.0	80.1	83.0	84.9	87.0	—
	14	76.1	75.1	74.3	73.2	72.6	71.8	72.0	75.0	80.2	83.0	85.5	86.3	—
	15	74.0	73.2	72.9	72.0	71.4	71.2	71.8	75.1	79.0	83.0	85.6	86.6	—
	16	72.5	71.9	71.0	70.0	69.5	68.6	69.6	74.1	79.1	83.2	86.8	89.5	—
	17	73.3	72.5	72.2	71.6	70.9	70.5	71.0	74.8	79.0	83.4	86.8	88.0	—
	18	76.3	75.3	74.8	74.2	73.8	73.6	74.0	76.7	80.2	82.7	84.9	87.0	—
	19	74.7	74.0	74.0	74.0	73.0	73.5	74.0	77.0	80.5	83.9	86.6	88.6	—
	20	75.0	74.7	74.0	73.5	72.6	73.0	73.7	75.9	79.4	83.0	86.0	87.0	—
	21	75.2	74.8	74.0	73.8	73.0	72.9	73.9	77.1	81.9	84.2	86.6	87.8	—
	22	76.0	75.0	74.6	74.4	73.9	73.4	74.0	77.0	80.5	83.4	84.8	85.4	—
	23	76.9	76.0	76.0	76.0	76.0	75.1	75.4	78.4	82.4	85.2	87.0	86.1	—
	24	74.1	74.1	74.0	74.0	73.8	74.1	74.5	75.5	77.6	81.5	82.2	83.2	—
	25	76.0	75.8	75.4	75.1	75.1	74.9	75.3	76.8	80.0	82.4	83.9	85.6	—
	26	74.8	74.2	73.8	73.2	73.0	72.5	73.1	76.3	80.2	83.5	84.7	87.0	—
	27	74.9	74.6	74.3	73.6	73.3	72.6	72.7	73.2	75.0	77.0	76.4	74.8	—
	28	68.3	68.0	67.8	67.5	67.5	67.0	67.4	70.0	75.3	78.9	82.3	85.4	—
	29	75.4	74.8	74.4	74.0	73.4	72.8	73.0	75.6	79.7	82.2	84.3	85.5	—
	30	76.2	76.0	74.9	74.0	74.0	74.0	73.7	75.6	80.0	83.3	85.0	87.2	—
	31	74.5	74.0	74.0	73.0	72.0	71.9	72.3	74.2	78.9	83.0	86.0	89.0	—
Hourly Means.		74.59	73.98	73.40	72.85	72.37	71.91	72.26	75.06	79.14	82.50	84.95	86.44	—
Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
AUGUST.	1	84.9	86.0	85.6	84.8	83.2	81.4	79.0	77.5	76.4	75.4	74.6	73.9	78.02
	2	85.7	85.0	84.0	83.2	82.2	80.5	78.4	76.8	75.5	74.1	73.2	72.5	77.04
	3	86.0	85.0	84.0	83.8	82.3	81.0	79.3	78.0	76.7	75.3	74.5	74.0	77.48
	4	87.3	85.9	84.7	84.2	83.0	81.6	80.0	78.8	77.4	76.0	75.0	74.2	78.06
	5	85.1	84.5	85.2	84.1	82.6	81.4	80.6	79.5	79.6	79.2	77.8	76.7	78.37
	6	88.8	88.5	87.7	86.1	84.1	82.3	80.6	79.5	78.5	78.1	77.7	77.0	80.13
	7	91.1	90.9	90.0	88.0	86.0	83.0	80.5	78.7	76.9	75.7	74.8	74.4	80.28
	8	90.2	91.2	89.7	87.7	85.2	83.5	80.2	78.1	76.4	75.5	75.1	74.9	79.45
	9	87.6	87.0	86.4	85.2	83.5	81.2	79.8	78.0	76.2	75.8	75.5	74.5	78.38
	10	85.6	85.3	84.6	83.7	82.6	81.1	80.4	79.9	79.0	78.2	77.5	76.6	78.25
	11	85.3	85.4	84.5	83.5	83.2	81.6	80.0	79.2	77.6	76.6	76.0	75.4	78.91
	12	86.7	86.5	86.1	84.9	83.4	82.0	81.5	81.1	80.8	80.0	79.6	79.1	79.51
	13	86.4	85.8	85.4	84.2	83.0	81.2	80.8	80.0	78.9	78.9	78.4	77.4	80.14
	14	85.6	85.8	85.4	84.5	83.6	82.2	81.5	80.0	79.0	77.0	75.8	75.0	79.19
	15	86.1	86.4	86.4	85.6	84.6	83.1	81.0	79.0	77.2	76.0	74.5	73.5	78.80
	16	86.0	86.0	86.9	86.5	85.0	82.9	81.0	79.0	77.6	76.0	74.8	74.0	78.40
	17	89.2	87.0	85.5	85.0	84.0	82.0	81.6	81.0	80.4	79.7	78.2	77.0	79.36
	18	89.0	87.2	85.3	83.6	82.7	81.5	81.1	80.1	79.8	78.5	77.1	75.5	79.79
	19	87.6	86.4	86.4	84.6	83.2	81.8	80.7	79.4	78.4	77.7	76.7	76.0	79.70
	20	86.2	84.6	84.8	84.0	82.3	81.5	80.6	79.4	78.4	77.6	77.3	76.6	79.21
	21	87.0	85.3	84.1	84.0	82.9	81.7	81.0	80.7	79.6	78.0	77.3	76.5	79.72
	22	86.3	85.0	85.0	83.2	82.2	81.5	80.8	79.7	79.0	79.2	78.7	78.0	79.63
	23	87.0	86.0	85.4	83.8	82.5	81.9	81.1	77.9	77.0	75.9	75.2	74.5	79.96
	24	83.6	83.3	82.0	81.2	80.0	79.0	78.9	78.5	78.0	77.5	77.0	76.2	78.08
	25	85.6	85.7	85.0	84.5	82.6	82.0	81.6	80.8	78.3	77.0	76.1	75.4	79.62
	26	87.0	86.0	85.4	84.6	82.9	81.2	78.0	77.0	76.5	76.0	75.4	75.0	78.80
	27	73.6	73.3	72.7	71.7	70.6	70.0	70.0	70.2	69.8	69.2	69.0	68.7	72.55
	28	86.4	84.3	82.6	82.5	81.2	80.4	79.5	78.4	77.9	77.5	76.9	76.1	76.21
	29	84.4	85.9	84.6	83.8	82.6	81.5	80.0	79.6	78.8	78.2	77.5	76.5	79.10
	30	86.9	86.0	85.5	84.6	83.1	81.6	80.5	78.9	77.8	77.0	76.1	75.2	79.46
	31	89.8	87.7	85.9	84.2	83.0	81.8	80.0	79.2	78.5	77.7	77.5	77.0	79.38
Hourly Means.		86.39	85.77	85.06	84.04	82.69	81.27	80.00	78.84	77.80	76.92	76.15	75.40	78.74

RELATIVE HUMIDITY OF THE AIR.

SATURATION = 1000.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
AUGUST.	1	780	785	798	822	829	837	828	786	687	619	489	438	—
	2	759	755	739	762	729	776	780	711	653	592	543	549	—
	3	765	763	856	864	838	811	811	722	622	577	510	503	—
	4	794	818	833	824	840	872	873	786	706	626	545	504	—
	5	836	851	866	882	890	898	880	787	730	618	551	587	—
	6	873	889	897	895	903	910	911	842	690	621	562	523	—
	7	848	848	878	869	885	893	885	832	643	520	433	379	—
	8	828	835	835	858	866	871	864	781	683	559	467	434	—
	9	836	852	866	874	918	899	872	811	727	653	576	526	—
	10	877	893	918	916	916	897	871	767	669	571	520	532	—
	11	880	897	888	895	902	910	893	840	733	622	557	582	—
	12	862	845	861	876	892	891	866	813	746	646	568	570	—
	13	815	829	843	857	864	870	868	809	701	631	587	579	—
	14	857	831	845	869	876	883	874	799	666	579	555	563	—
	15	845	859	842	866	882	891	883	775	697	573	500	495	—
	16	816	823	838	862	862	869	888	772	648	549	457	413	—
	17	835	850	849	857	880	863	855	766	690	579	480	493	—
	18	865	880	888	887	861	844	853	764	730	661	618	562	—
	19	772	795	787	770	775	737	723	659	592	545	473	451	—
	20	798	797	812	811	842	818	802	730	676	578	498	491	—
	21	822	830	845	836	851	843	819	758	659	611	524	525	—
	22	848	872	871	870	877	886	878	812	702	645	605	608	—
	23	851	873	849	825	825	855	848	754	661	565	537	563	—
	24	878	878	887	887	903	896	888	864	775	734	688	657	—
	25	890	889	905	914	914	914	914	875	787	695	647	634	—
	26	863	870	887	903	911	919	911	842	752	660	637	602	—
	27	930	922	913	920	920	919	919	920	880	835	865	830	—
	28	933	933	923	942	933	930	920	880	783	640	569	488	—
	29	898	904	913	904	911	920	902	848	787	682	622	578	—
	30	882	873	897	903	903	895	903	872	736	599	553	476	—
	31	879	896	887	894	909	909	884	845	763	625	534	491	—
Hourly Means.		846	853	862	868	874	875	867	801	709	620	557	536	—
Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
AUGUST.	1	531	503	495	519	578	664	718	765	786	807	805	761	693
	2	520	538	532	560	567	638	679	725	760	787	776	774	675
	3	509	544	557	562	607	667	749	776	811	791	779	787	699
	4	500	537	555	564	596	623	671	703	743	793	814	837	707
	5	613	616	600	609	655	718	767	801	809	816	836	866	753
	6	484	534	530	580	641	688	716	771	783	791	805	819	736
	7	403	417	430	462	472	546	638	680	741	760	797	813	670
	8	413	408	382	406	474	556	693	745	762	775	798	805	671
	9	558	549	557	545	592	690	742	790	817	824	831	854	740
	10	572	589	580	620	673	733	796	810	823	821	836	857	752
	11	638	553	630	612	592	665	743	764	797	826	825	840	754
	12	541	529	521	581	632	693	734	755	753	773	802	816	732
	13	613	578	571	597	643	712	746	766	785	793	807	835	737
	14	589	555	571	597	607	667	677	729	748	788	824	831	724
	15	539	545	552	536	566	566	600	647	681	722	748	785	691
	16	531	556	513	483	508	603	662	726	751	793	814	829	690
	17	480	526	571	613	647	728	770	805	811	809	799	859	726
	18	519	573	626	645	675	698	725	758	772	792	757	759	738
	19	523	544	514	584	642	693	724	756	769	797	803	808	677
	20	539	605	600	614	693	718	760	785	807	820	819	786	717
	21	567	595	661	700	731	770	783	797	809	828	851	849	744
	22	582	614	614	690	687	713	761	795	816	816	822	829	759
	23	584	611	627	686	716	757	754	805	804	856	872	870	748
	24	685	671	713	725	765	778	808	822	836	844	867	882	805
	25	651	655	651	642	723	750	784	804	799	842	832	847	790
	26	645	642	646	668	724	740	868	916	924	906	931	930	803
	27	844	877	851	848	890	907	934	944	944	943	933	924	901
	28	553	628	668	668	712	737	779	814	836	852	858	890	786
	29	667	605	605	613	647	719	766	779	800	821	844	874	775
	30	506	531	571	624	650	719	767	807	829	843	865	880	754
	31	490	576	592	661	696	707	736	749	807	836	844	858	753
Hourly Means.		560	574	583	607	645	696	744	777	797	815	826	837	739

DIRECTION OF THE WIND.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12
AUGUST.	1	C	C	C	C	C	C	C	C	NNE	NNE	ENE	NE
	2	C	C	C	NE	C	C	C	C	NE	ENE	ENE	NNE
	3	C	C	N	N	N	C	C	C	N	NE	ENE	NE
	4	C	C	C	C	C	C	C	C	C	NNW	NNW	NE
	5	C	C	C	C	C	C	C	NNE	C	NNE	NNE	NNE
	6	C	C	C	C	C	C	C	NE	ENE	E	ENE	E
	7	C	C	C	C	C	C	C	NE	ESE	E	E	E
	8	C	C	C	C	C	C	C	ENE	ENE	ESE	ESE	E
	9	C	C	C	C	C	C	C	NE	NE	ENE	ENE	ENE
	10	C	C	C	C	C	C	C	NE	SE	SE	ESE	ENE
	11	C	C	C	C	C	C	C	C	NNE	NNE	NE	NE
	12	C	C	C	C	C	C	C	NE	ENE	E	E	NE
	13	C	C	C	C	C	C	C	C	NE	NE	NE	NNE
	14	C	C	C	C	C	C	C	C	NE	NE	ENE	N
	15	C	C	C	C	C	C	C	NNE	NNE	NNE	ENE	NE
	16	C	C	C	C	C	C	C	ENE	ENE	E	E	ENE
	17	C	C	C	C	C	C	C	C	NE	NE	ENE	NNE
	18	C	C	C	C	C	C	C	NE	NE	NE	NE	ENE
	19	C	C	NNE	SSE	SSE	SSE	SSE	SSE	S	S	S	SE
	20	C	C	C	C	C	N	N	NNE	ENE	E	ENE	NNE
	21	C	C	C	C	C	C	C	NNE	NNE	NE	NE	NE
	22	C	C	C	C	C	C	C	C	NNW	N	NNE	NE
	23	C	C	NE	C	C	C	C	NE	NE	E	E	NE
	24	W	W	W	C	C	C	C	C	W	NE	NE	NE
	25	C	C	C	C	C	C	C	C	NE	ENE	ENE	NE
	26	C	C	C	C	C	C	C	C	NE	NE	NE	NNE
	27	C	C	C	C	ESE	C	ESE	C	ESE	ESE	ESE	ESE
	28	C	C	C	C	C	C	C	C	WSW	WSW	WSW	W
	29	C	C	C	C	C	C	C	N	N	NNE	NNE	NNE
	30	C	C	C	C	NNE	C	C	C	ENE	ESE	E	ESE
	31	C	C	C	C	C	C	C	C	NE	NE	NE	NE
Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12
AUGUST.	1	N	NNE	NNE	NNE	NE	NE	C	C	C	C	C	C
	2	NNE	NNE	N	N	N	C	C	C	C	C	N	C
	3	NE	NNE	NNE	N	N	N	C	C	C	C	C	C
	4	ENE	NE	NNE	NNE	NNE	NNE	NNE	C	C	C	C	C
	5	NNE	NNE	NNE	NE	NE	NE	NE	C	C	C	C	C
	6	ENE	NE	ENE	NE	NE	NE	NE	C	C	C	C	C
	7	ENE	ENE	ENE	ENE	ENE	ENE	ENE	C	C	C	C	C
	8	ENE	ENE	ENE	ENE	ENE	NE	NE	C	C	C	C	C
	9	NE	NE	NE	NE	NE	NE	NE	C	C	C	C	C
	10	NNE	NNE	NE	NE	NNE	NNE	C	C	C	C	C	C
	11	NNE	NNE	NNE	NE	NE	NE	C	C	C	C	C	C
	12	NE	NNE	NE	NNE	NE	NE	C	C	C	C	C	C
	13	N	NNE	NE	NE	NE	C	C	C	C	C	C	C
	14	NNE	NNE	NNE	NNE	NNE	NNE	NNE	C	C	C	C	C
	15	NNE	NNE	NE	NE	NE	NE	C	C	C	C	C	C
	16	N	NNE	NNE	NE	NE	NE	C	C	C	C	C	C
	17	NNE	NNE	NNE	NNE	NE	NE	C	C	C	C	C	C
	18	NE	NNE	NNE	NNE	NE	NNE	C	C	C	C	C	C
	19	NE	NE	NNE	NNE	NNE	N	C	C	C	C	C	C
	20	NNE	NNE	NNE	N	NNE	NNE	C	C	C	C	NNE	C
	21	N	N	N	N	N	NNW	C	C	C	C	C	C
	22	NE	NNE	NNE	NE	NE	NE	C	C	C	C	C	C
	23	NNE	NNE	NE	NNE	NNE	N	NNW	NW	WNW	WNW	WNW	WNW
	24	NE	NE	NE	NE	NE	NE	C	C	C	C	C	C
	25	NE	NNE	N	NE	NNE	NE	C	NE	NE	C	C	C
	26	NNE	N	N	N	N	ESE	ESE	C	C	C	C	C
	27	WSW	WSW	C	C	C	C	C	C	C	C	C	C
	28	NNE	NNE	N	N	N	N	C	C	C	C	C	C
	29	N	NNE	NNE	NNE	NNE	NNE	NNE	NNE	C	C	C	C
	30	NE	NNE	NE	NNE	NE	NE	C	C	C	C	C	C
	31	NNE	NNE	NNE	NNE	NNE	NNE	C	C	C	C	C	C

VELOCITY OF THE WIND IN KILOMETERS PER HOUR.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
AUGUST.	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	5.6	7.2	10.5	—
	2	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	3.2	4.8	4.8	8.0	—
	3	0.0	0.0	0.8	0.8	0.8	0.0	0.0	0.0	3.2	4.8	2.4	9.7	—
	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	2.4	6.4	—
	5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.0	2.4	4.8	11.3	—
	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	8.9	14.5	16.1	16.9	—
	7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	11.3	15.3	17.7	16.9	—
	8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.6	8.0	12.9	16.1	—
	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	4.0	12.9	12.1	16.9	—
	10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	2.4	6.4	4.8	8.9	—
	11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	6.4	11.3	—
	12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	3.2	3.2	4.0	10.5	—
	13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	4.0	6.4	8.9	—
	14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	3.2	8.0	10.5	—
	15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	0.8	2.4	4.8	11.3	—
	16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	3.2	4.0	7.2	12.9	—
	17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	2.4	4.8	9.7	—
	18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	4.0	5.6	4.0	2.4	—
	19	0.0	0.0	4.8	0.8	2.4	4.8	3.2	8.9	7.2	4.0	2.4	6.4	—
	20	0.0	0.0	0.0	0.0	0.0	0.8	0.8	3.2	2.4	2.4	7.2	11.3	—
	21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	2.4	2.4	4.0	12.1	—
	22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	4.0	4.8	9.7	—
	23	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.8	8.0	12.1	12.9	12.9	—
	24	0.8	0.8	0.8	0.0	0.0	0.0	0.0	0.0	2.4	10.5	13.7	15.3	—
	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.8	5.6	5.6	11.3	—
	26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	5.6	4.8	—
	27	0.0	0.0	0.0	0.0	0.8	0.0	0.8	0.0	1.6	2.4	1.6	4.0	—
	28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	1.6	4.0	—
	29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	3.2	4.8	7.2	9.7	—
	30	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	8.9	10.5	6.4	5.6	—
	31	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	2.4	0.8	3.2	—
Hourly Means.		0.03	0.03	0.23	0.08	0.15	0.18	0.15	0.96	3.18	5.31	6.60	9.98	—
Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
AUGUST.	1	12.1	14.5	14.5	14.5	9.7	3.2	0.0	0.0	0.0	0.0	0.0	0.0	3.89
	2	11.3	14.5	15.3	13.7	5.6	0.0	0.0	0.0	0.0	0.0	0.8	0.0	3.45
	3	1.61	16.9	12.9	8.9	7.2	0.8	0.0	0.0	0.0	0.0	0.0	0.0	3.55
	4	8.0	16.9	14.5	11.3	9.7	5.6	0.8	0.0	0.0	0.0	0.0	0.0	3.18
	5	13.7	14.5	14.5	12.9	10.5	2.4	0.8	0.0	0.0	0.0	0.0	0.0	3.69
	6	20.9	20.1	19.3	16.1	11.3	2.4	0.8	0.0	0.0	0.0	0.0	0.0	6.20
	7	16.9	20.1	21.7	19.3	15.3	6.4	1.6	0.0	0.0	0.0	0.0	0.0	6.87
	8	16.9	24.1	24.9	23.3	19.3	11.3	2.4	0.0	0.0	0.0	0.0	0.0	6.73
	9	14.5	18.5	20.1	17.7	12.9	8.0	2.4	0.0	0.0	0.0	0.0	0.0	5.87
	10	12.9	16.9	16.9	14.5	8.9	2.4	0.0	0.0	0.0	0.0	0.0	0.0	4.09
	11	17.7	18.5	17.7	15.3	10.5	4.0	0.0	0.0	0.0	0.0	0.0	0.0	4.29
	12	15.3	16.1	16.1	16.9	9.7	2.4	0.0	0.0	0.0	0.0	0.0	0.0	4.09
	13	17.7	17.7	15.3	15.3	9.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.03
	14	14.5	13.7	14.5	14.5	8.0	4.0	0.8	0.0	0.0	0.0	0.0	0.0	3.89
	15	14.5	16.9	19.3	16.1	11.3	3.2	0.0	0.0	0.0	0.0	0.0	0.0	4.29
	16	15.3	20.1	19.3	16.1	12.1	4.8	0.0	0.0	0.0	0.0	0.0	0.0	4.86
	17	13.7	18.5	20.9	15.3	10.5	0.8	0.0	0.0	0.0	0.0	0.0	0.0	4.06
	18	5.6	16.1	20.9	16.1	12.1	1.6	0.0	0.0	0.0	0.0	0.0	0.0	3.72
	19	16.9	20.9	17.7	16.1	12.1	2.4	0.0	0.0	0.0	0.0	0.0	0.0	5.46
	20	16.1	16.1	13.7	12.1	9.7	0.8	0.0	0.0	0.0	0.0	1.6	0.0	4.09
	21	16.1	15.3	15.3	12.1	5.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0	3.65
	22	12.9	12.9	14.5	12.9	8.9	3.2	0.0	0.0	0.0	0.0	0.0	0.0	3.53
	23	16.1	18.5	18.5	16.1	8.0	1.6	1.6	1.6	1.6	0.8	1.6	1.6	5.63
	24	19.3	18.5	15.3	11.3	8.0	3.2	0.0	0.0	0.0	0.0	0.0	0.0	5.00
	25	16.9	16.9	15.3	15.3	12.1	4.8	0.0	1.6	1.6	0.8	0.0	0.0	4.69
	26	11.3	12.9	12.1	11.3	4.0	5.6	1.6	0.0	0.0	0.0	0.0	0.0	3.02
	27	2.4	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.63
	28	10.5	11.3	8.9	8.0	4.8	1.6	0.0	0.0	0.0	0.0	0.0	0.0	2.18
	29	12.9	13.7	12.9	14.5	14.5	5.6	2.4	0.8	0.0	0.0	0.0	0.0	4.29
	30	11.3	16.1	16.1	15.3	9.7	2.4	0.0	0.0	0.0	0.0	0.0	0.0	4.30
	31	8.9	16.1	16.1	11.5	9.7	0.8	0.0	0.0	0.0	0.0	0.0	0.0	3.12
Hourly Means.		13.85	16.30	15.97	14.11	9.72	3.13	0.49	0.13	0.10	0.05	0.13	0.05	4.20

CLOUDS.

CLEAR = 0. OVERCAST = 10.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
AUGUST.	1	2	0	0	0	0	0	0	0	0	0	1	1	—
	2	1	0	0	0	2	4	3	2	2	1	0	0	—
	3	6	4	3	2	4	2	1	0	0	0	0	0	—
	4	2	2	4	3	2	4	1	1	3	2	4	3	—
	5	1	0	0	0	0	1	1	0	0	0	1	1	—
	6	2	3	2	1	0	3	1	1	0	4	7	5	—
	7	2	0	0	0	0	0	2	0	1	0	0	0	—
	8	3	3	2	4	3	4	2	1	0	0	0	1	—
	9	2	3	0	1	2	5	4	2	1	6	2	1	—
	10	0	1	1	0	0	2	3	4	4	6	5	6	—
	11	2	1	2	0	2	3	0	0	0	0	1	0	—
	12	2	1	1	0	1	3	1	0	0	0	3	2	—
	13	6	7	6	4	6	4	3	2	3	3	4	5	—
	14	0	0	0	0	1	6	2	1	3	2	1	2	—
	15	0	0	1	1	2	2	3	2	5	2	4	6	—
	16	0	0	1	0	2	4	0	0	0	0	1	2	—
	17	0	7	5	3	2	4	1	0	0	0	0	3	—
	18	6	2	1	1	3	1	2	2	2	3	3	5	—
	19	5	3	1	1	2	3	2	1	2	1	1	1	—
	20	0	0	0	0	0	1	2	0	0	2	2	3	—
	21	0	1	0	0	0	5	2	1	1	3	4	4	—
	22	8	2	1	7	3	6	9	5	7	5	6	6	—
	23	4	5	6	4	6	4	4	5	7	6	8	9	—
	24	10	10	10	10	10	10	10	10	6	4	10	7	—
	25	8	9	10	9	9	9	9	9	6	7	7	7	—
	26	2	1	3	0	2	5	1	0	2	3	7	7	—
	27	10	10	10	10	10	10	10	10	9	9	10	10	—
	28	8	9	4	6	8	3	7	4	5	6	6	7	—
	29	9	9	10	8	6	6	2	2	6	5	7	4	—
	30	4	3	3	2	2	4	6	8	8	8	8	6	—
	31	5	3	0	2	4	4	9	8	4	2	2	2	—
Hourly Means.		3.5	3.2	2.8	2.5	3.0	3.9	3.3	2.6	2.8	2.9	3.7	3.7	—
Mean Batavia Time		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
AUGUST.	1	0	0	0	0	1	2	6	4	3	6	3	2	1.3
	2	0	0	0	0	0	1	2	1	1	0	1	1	0.9
	3	0	0	1	1	2	4	2	2	5	8	4	1	2.2
	4	3	2	0	0	0	0	3	5	4	2	2	2	2.3
	5	1	2	2	1	2	4	0	0	2	1	0	0	0.8
	6	3	3	3	1	1	3	2	1	0	2	6	7	2.5
	7	1	0	0	0	1	1	1	0	0	0	0	0	0.4
	8	5	3	5	6	3	4	1	0	0	1	3	3	2.4
	9	4	3	2	2	2	4	2	0	0	3	1	0	2.2
	10	3	1	0	1	2	4	7	5	7	4	2	2	2.9
	11	4	2	1	1	2	1	4	1	2	4	2	4	1.6
	12	0	0	0	0	0	1	10	10	9	10	10	7	3.0
	13	3	1	0	0	0	3	9	3	7	9	9	1	4.1
	14	3	2	2	2	3	7	9	9	5	3	0	0	2.6
	15	2	1	0	1	1	1	2	8	3	2	0	0	2.0
	16	0	1	3	1	0	1	1	2	0	2	2	1	1.0
	17	1	1	0	0	0	2	6	8	9	7	9	9	3.2
	18	6	5	2	0	1	5	9	7	6	1	0	7	3.3
	19	3	2	2	0	1	3	7	5	7	5	2	0	2.5
	20	2	1	2	1	1	2	1	2	3	9	4	2	1.7
	21	7	7	5	5	3	6	7	5	4	2	1	3	3.2
	22	6	7	6	7	7	8	3	2	9	7	9	5	5.9
	23	5	5	3	2	6	6	9	8	9	10	10	10	6.3
	24	9	10	10	9	9	8	7	9	9	10	10	9	9.0
	25	1	2	1	4	6	4	5	4	2	1	1	0	5.4
	26	7	5	3	5	8	10	10	10	10	10	10	10	5.5
	27	10	10	10	10	10	10	10	10	10	10	10	9	9.9
	28	7	9	9	7	9	6	7	9	9	10	10	10	7.3
	29	6	5	5	6	4	3	5	7	9	7	5	9	6.0
	30	2	1	2	1	2	3	4	3	4	2	1	0	3.6
	31	3	1	4	3	1	2	3	2	6	9	8	6	3.9
Hourly Means.		3.5	3.0	2.7	2.5	2.8	3.8	5.0	4.6	5.0	5.1	4.4	3.9	3.51

BAROMETRIC PRESSURE.

BAROMETER AT 0°C = 750 MILLIMETRES + THE NUMBERS IN THE TABLE.

Mean Batavia Time.	1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—	
S E P T E M B E R.	1	9.98	9.79	9.70	9.75	10.07	10.48	11.20	11.58	11.70	11.25	10.83	10.39	—
	2	10.43	10.14	9.97	9.85	10.08	10.15	10.60	11.15	11.23	11.05	10.19	9.80	—
	3	10.13	9.84	9.53	9.51	9.85	10.43	11.08	11.60	11.73	11.55	10.87	10.29	—
	4	10.18	9.83	9.78	9.58	9.53	10.00	10.50	10.85	11.00	10.89	10.49	9.57	—
	5	9.74	9.52	9.15	9.06	9.27	9.56	9.83	10.19	10.33	10.01	9.38	8.66	—
	6	8.94	8.74	8.57	8.66	8.80	9.00	9.37	9.85	9.83	9.65	8.95	8.31	—
	7	9.06	8.77	8.84	8.81	9.29	10.10	10.29	10.81	11.00	10.75	10.13	9.33	—
	8	9.42	9.39	9.29	9.31	9.45	9.99	10.40	10.86	10.99	10.90	10.48	9.74	—
	9	10.69	10.34	10.06	10.15	10.43	10.96	11.15	11.40	11.43	10.84	10.04	9.23	—
	10	10.50	9.93	9.82	9.79	10.30	10.78	11.13	11.58	11.93	11.61	11.07	10.39	—
	11	10.29	9.85	9.71	9.68	9.81	10.10	10.75	11.03	11.27	11.28	10.61	9.92	—
	12	9.54	9.04	9.00	9.02	9.32	9.81	10.40	10.86	11.14	10.78	10.23	9.43	—
	13	10.43	10.08	9.65	9.35	10.06	10.54	11.00	11.26	11.33	11.15	10.84	10.29	—
	14	10.25	9.88	9.70	9.70	9.86	10.43	11.03	11.35	11.70	11.45	10.93	10.16	—
	15	9.60	9.36	9.15	9.07	9.32	9.55	10.11	10.88	10.91	10.49	9.78	9.11	—
	16	9.85	9.60	9.40	9.54	9.69	9.90	10.25	10.83	10.98	10.68	10.08	9.51	—
	17	10.44	10.19	10.01	10.45	10.90	11.35	11.63	12.15	12.56	12.23	11.54	10.85	—
	18	10.69	10.45	10.31	10.30	10.51	10.73	11.33	11.86	11.81	11.39	10.79	10.18	—
	19	10.76	10.35	10.11	10.10	10.13	10.49	11.00	11.53	11.63	11.27	10.41	9.64	—
	20	9.75	9.51	9.44	9.75	9.95	10.07	10.74	11.06	11.26	10.70	10.07	9.53	—
	21	9.68	9.56	9.70	9.63	9.79	10.09	10.53	10.98	11.00	10.77	10.14	9.57	—
	22	10.23	9.94	9.94	9.95	10.27	10.63	10.81	11.24	11.42	10.93	10.61	10.20	—
	23	10.62	10.20	10.09	10.26	10.44	11.13	11.69	12.15	12.17	11.96	11.27	10.37	—
	24	9.85	9.52	9.38	9.42	9.70	10.10	10.64	10.90	11.08	10.74	10.27	9.32	—
	25	9.92	9.35	9.30	9.40	9.51	9.99	10.26	10.70	10.87	10.54	9.91	9.08	—
	26	9.98	9.52	9.39	9.53	9.86	10.45	11.11	11.55	11.55	11.47	10.41	9.53	—
	27	9.24	8.76	8.90	9.05	9.26	9.77	10.09	10.60	10.68	10.49	9.96	9.32	—
	28	8.93	8.60	8.42	8.75	9.00	9.41	10.21	10.94	11.17	10.69	10.02	9.26	—
	29	9.94	9.73	9.61	9.79	9.81	10.15	10.73	11.24	11.29	11.01	10.42	9.78	—
	30	10.29	9.83	9.75	9.69	9.78	9.95	10.63	11.17	11.43	11.34	10.81	10.17	—
Hourly Means.		9.98	9.65	9.52	9.56	9.80	10.20	10.68	11.14	11.28	11.00	10.39	9.70	—
Mean Batavia Time.	1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.	
S E P T E M B E R.	1	9.43	8.91	8.54	8.42	8.66	9.09	9.54	10.03	10.60	10.89	11.02	10.89	10.11
	2	9.04	8.42	8.08	8.16	8.67	9.11	9.58	9.97	10.42	10.80	10.93	10.74	9.94
	3	9.43	8.83	8.22	8.08	8.61	8.98	9.37	9.98	10.03	10.38	10.36	10.28	9.96
	4	9.12	8.36	7.82	7.97	8.17	8.50	9.32	9.61	10.09	10.59	10.58	10.28	9.69
	5	8.18	7.57	6.72	6.88	6.58	7.38	8.22	8.90	9.36	9.42	9.48	9.33	8.86
	6	7.28	6.76	6.37	6.39	6.79	7.39	7.69	8.57	9.05	9.34	9.58	9.28	8.47
	7	8.68	8.20	7.91	7.88	7.98	8.38	8.83	9.74	10.25	10.55	10.33	9.93	9.41
	8	8.87	8.45	8.28	8.19	8.96	9.63	10.36	10.81	11.03	11.30	11.20	11.05	9.91
	9	8.53	8.33	7.87	7.99	8.19	8.66	9.47	10.28	10.66	10.87	11.02	10.72	9.97
	10	9.20	8.71	8.43	8.32	8.84	9.13	9.82	10.68	10.98	10.99	10.77	10.73	10.23
	11	9.38	8.46	8.01	8.06	8.42	9.08	9.53	10.26	10.40	10.55	10.49	9.83	9.87
	12	8.86	8.10	8.07	8.13	8.48	8.92	9.67	10.46	10.80	11.23	11.17	10.91	9.73
	13	9.56	8.97	8.48	8.14	8.54	9.02	9.76	10.34	10.62	10.95	11.05	10.74	10.09
	14	9.37	8.72	8.38	8.26	8.47	8.78	9.15	9.49	9.89	10.29	10.07	9.85	9.88
	15	8.48	7.86	7.24	7.23	7.43	8.09	8.82	9.48	9.90	10.35	10.60	10.24	9.29
	16	8.93	8.41	8.18	8.18	8.39	9.09	9.54	10.17	10.68	11.05	11.07	10.92	9.79
	17	10.03	9.18	8.82	8.50	8.83	9.38	9.70	10.34	10.93	11.20	11.21	11.16	10.58
	18	9.48	8.93	8.43	8.24	8.41	8.97	9.66	10.57	11.13	11.40	11.50	11.30	10.35
	19	9.07	8.63	8.43	8.39	8.47	8.97	9.39	10.00	10.35	10.73	10.57	10.06	10.02
	20	8.93	8.57	8.32	8.21	8.47	8.78	9.52	9.93	10.34	10.53	10.34	9.99	9.74
	21	8.97	8.62	8.47	8.33	8.56	9.08	9.76	10.18	10.54	11.02	10.84	10.60	9.85
	22	9.76	9.06	9.01	9.05	9.37	10.17	10.63	11.22	11.53	11.94	11.73	11.23	10.45
	23	9.47	8.86	8.52	8.43	8.83	9.11	9.81	10.51	10.89	11.10	10.78	10.40	10.38
	24	8.90	8.32	8.12	8.25	8.38	9.12	9.68	10.39	10.91	11.19	11.12	10.70	9.83
	25	8.23	7.65	7.46	7.33	7.83	8.44	9.28	9.92	10.54	10.89	10.90	10.34	9.49
	26	8.80	7.78	7.35	7.13	7.57	8.52	8.98	9.31	9.69	10.09	10.13	9.68	9.56
	27	8.53	7.68	7.62	7.36	7.73	8.44	9.23	9.73	9.93	10.31	10.25	9.63	9.27
	28	8.40	7.66	7.35	7.26	7.62	8.57	9.11	9.63	10.31	10.77	10.52	9.95	9.27
	29	9.25	8.47	8.27	8.20	8.34	8.97	9.42	10.32	10.86	11.36	11.39	10.97	9.97
	30	9.18	8.43	8.02	7.78	7.81	8.42	9.58	9.98	10.47	10.59	10.32	9.87	9.80
Hourly Means.		8.98	8.37	8.03	7.97	8.25	8.81	9.41	10.03	10.44	10.76	10.71	10.39	9.79

STANDARD THERMOMETER.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
SEPTEMBER.	1	76.6	76.6	76.4	75.9	75.4	74.9	75.0	75.3	76.5	82.0	84.0	82.0	—
	2	75.7	75.5	74.8	74.3	73.7	73.7	74.6	75.5	75.0	76.4	80.3	83.6	—
	3	75.4	74.8	74.3	73.8	73.0	73.0	73.0	76.5	80.5	83.1	84.1	85.2	—
	4	75.0	74.8	74.8	74.6	74.6	73.8	74.2	77.0	80.4	82.8	82.8	85.2	—
	5	75.6	75.0	74.5	73.8	73.7	73.2	74.2	77.7	81.2	83.9	84.4	85.6	—
	6	74.7	74.0	73.4	73.0	72.1	71.7	72.4	76.0	79.4	82.8	86.0	88.5	—
	7	75.0	74.5	74.0	74.0	73.5	72.5	73.2	76.5	80.4	83.6	86.2	87.0	—
	8	75.2	74.7	74.0	74.0	73.6	73.2	73.9	77.5	80.6	83.6	85.6	87.7	—
	9	74.9	73.8	73.1	72.8	72.1	71.6	72.8	77.0	80.7	84.0	86.7	87.4	—
	10	75.5	75.0	75.0	75.0	74.0	73.8	74.5	77.4	80.4	83.3	85.0	85.5	—
	11	74.4	74.2	74.2	73.6	72.9	72.6	73.4	76.0	79.2	82.0	84.0	83.8	—
	12	74.2	74.0	73.4	73.9	74.1	74.3	74.7	77.0	79.5	82.5	85.5	86.3	—
	13	75.0	74.7	74.2	73.8	73.5	73.3	74.1	76.0	78.5	81.5	81.0	83.5	—
	14	75.0	74.8	74.8	74.5	74.4	74.8	75.2	74.5	75.7	77.2	79.2	80.8	—
	15	74.8	74.0	73.2	73.0	72.6	72.3	72.9	75.4	79.5	81.6	83.0	83.1	—
	16	73.6	73.4	73.4	73.5	73.3	72.9	73.8	75.5	78.5	81.0	83.8	84.6	—
	17	74.3	74.0	73.5	73.0	73.3	73.5	73.1	72.9	73.4	74.3	75.0	76.6	—
	18	75.0	74.8	74.3	74.0	73.7	73.3	73.3	75.6	79.5	82.9	84.5	85.1	—
	19	74.3	74.0	73.2	72.7	72.2	72.6	73.2	75.2	79.3	81.8	81.0	86.8	—
	20	74.0	73.2	73.0	72.3	71.7	71.3	72.0	74.1	78.0	81.6	84.0	85.1	—
	21	74.9	74.6	73.9	73.4	73.6	73.6	74.3	77.5	80.5	83.2	85.5	86.2	—
	22	75.6	75.3	74.8	74.2	73.4	73.7	75.2	79.0	81.9	84.8	86.6	87.9	—
	23	75.1	74.8	74.2	74.0	73.5	73.0	73.9	77.0	81.0	83.6	85.5	88.0	—
	24	77.4	76.2	75.5	74.7	73.8	73.0	73.8	78.0	81.6	84.8	86.2	87.9	—
	25	75.0	74.5	74.0	74.0	73.2	72.8	74.5	78.0	81.8	84.0	84.7	86.9	—
	26	75.6	75.0	74.4	73.6	73.3	72.9	74.2	78.0	81.5	84.0	85.5	87.5	—
	27	75.6	74.7	74.8	74.4	74.0	73.6	74.8	78.3	81.6	84.0	85.5	85.0	—
	28	76.8	76.8	76.0	75.1	74.6	74.0	75.3	78.8	81.6	84.5	86.0	87.7	—
	29	74.1	73.4	73.0	72.3	71.6	71.2	72.2	76.0	81.1	84.7	87.0	86.4	—
	30	76.9	76.2	75.1	75.0	74.1	73.9	75.2	79.0	82.6	84.0	86.2	87.6	—
Hourly Means.		75.17	74.71	74.24	73.87	73.42	73.13	73.90	76.61	79.71	82.45	84.36	85.48	—
Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
SEPTEMBER.	1	84.9	86.0	83.6	83.3	82.1	81.0	80.1	79.7	79.0	78.0	77.3	76.6	79.26
	2	85.4	85.5	84.5	83.0	82.2	81.4	81.1	79.4	78.2	78.0	77.8	76.7	78.60
	3	85.6	85.5	86.1	85.0	81.2	78.4	77.5	76.0	75.4	75.0	75.0	75.0	78.43
	4	84.9	84.5	84.6	83.5	82.5	81.6	81.0	80.3	78.0	76.8	76.4	76.3	79.18
	5	84.7	85.0	85.0	83.7	83.0	82.0	81.0	80.0	78.7	78.0	76.5	75.3	79.40
	6	90.3	86.5	86.0	84.7	81.0	82.7	80.7	79.2	78.2	77.6	76.4	75.8	79.42
	7	87.8	86.8	85.4	84.8	84.0	82.2	81.0	79.0	78.0	77.6	76.5	76.2	79.57
	8	88.4	85.8	85.4	81.3	83.3	82.1	81.7	80.4	78.8	77.5	76.5	75.8	79.75
	9	86.5	85.5	85.5	84.1	83.0	82.0	81.9	81.2	79.5	78.0	76.6	76.6	79.70
	10	86.7	85.0	83.6	83.4	82.8	78.0	76.5	76.0	75.6	75.3	74.6	74.8	78.61
	11	83.8	84.3	81.5	83.4	82.7	81.9	81.1	79.0	77.2	76.0	75.0	74.7	78.50
	12	85.6	85.6	83.7	83.0	82.5	81.6	80.5	79.3	78.2	77.0	76.3	75.8	79.10
	13	83.2	81.5	81.6	82.6	82.1	81.4	80.4	79.1	77.8	77.0	76.5	76.0	78.39
	14	80.5	81.6	82.0	82.5	80.9	80.0	78.9	78.0	77.2	76.2	75.5	75.0	77.47
	15	84.9	81.5	84.3	83.0	81.8	81.2	80.6	79.5	78.2	76.5	75.5	74.4	78.33
	16	85.5	84.5	83.9	83.0	81.6	80.8	80.8	80.6	80.0	77.1	76.3	75.3	78.61
	17	78.0	78.4	79.0	80.0	80.0	79.2	78.0	76.6	76.4	76.5	76.1	75.9	75.88
	18	85.3	81.6	84.9	84.4	83.0	81.6	79.5	78.5	77.8	77.2	76.0	75.0	78.91
	19	87.6	85.3	84.2	83.5	81.7	81.3	79.9	78.1	77.1	76.1	75.4	74.7	78.51
	20	86.0	85.7	81.7	84.4	83.0	81.8	80.3	78.5	77.5	76.5	76.0	75.5	78.34
	21	86.6	86.6	86.0	85.7	84.4	83.0	81.0	79.2	78.3	77.0	76.3	76.2	79.65
	22	86.6	86.6	86.0	84.6	83.6	82.9	82.2	80.0	78.0	76.8	76.3	75.9	80.08
	23	86.7	86.8	85.9	85.0	83.6	82.3	81.5	80.4	79.0	78.1	78.1	78.0	79.96
	24	88.0	87.5	86.2	84.6	83.5	82.5	81.2	79.9	79.2	78.2	76.9	76.0	80.28
	25	87.7	86.9	85.2	84.2	83.0	81.8	80.7	80.0	79.0	78.3	77.2	76.6	79.75
	26	86.3	86.5	85.8	84.7	83.5	82.6	82.0	81.6	80.2	78.7	77.6	76.6	80.07
	27	85.0	86.5	85.5	84.1	84.1	82.9	81.4	80.1	79.4	78.5	78.0	77.4	79.98
	28	88.6	88.6	87.7	86.7	84.5	82.8	81.0	79.5	78.0	76.9	76.0	75.0	80.52
	29	87.6	88.1	86.6	85.4	84.0	83.0	81.9	80.4	79.4	78.6	78.4	77.9	79.76
	30	85.5	85.5	85.5	85.2	84.3	82.8	82.0	79.5	78.0	77.3	77.0	76.4	80.20
Hourly Means.		85.81	85.39	84.76	84.00	82.86	81.64	80.58	79.32	78.23	77.26	76.51	75.91	79.14

RELATIVE HUMIDITY OF THE AIR.

SATURATION = 1000.

Mean Batavia Time.		1 A.M.	2	3	4	5	6	7	8	9	10	11	12	—
S E P T E M B E R.	1	850	866	857	872	880	879	879	872	833	722	648	700	—
	2	864	880	888	904	912	912	904	872	930	890	753	666	—
	3	855	839	837	853	868	860	852	786	681	645	584	594	—
	4	914	904	888	879	871	887	896	851	768	683	670	607	—
	5	856	871	845	861	836	843	853	775	698	640	655	641	—
	6	854	861	868	868	892	891	875	816	728	617	527	484	—
	7	846	862	870	870	877	893	860	787	723	594	499	526	—
	8	855	871	870	870	869	877	853	751	682	620	556	531	—
	9	854	869	868	859	875	891	851	741	654	584	503	523	—
	10	914	914	913	897	870	869	862	751	667	632	570	577	—
	11	896	896	870	861	876	867	852	809	757	688	674	660	—
	12	845	837	844	861	853	838	854	842	728	608	542	522	—
	13	846	838	829	845	852	852	861	777	725	651	583	612	—
	14	839	846	854	854	845	846	872	939	931	892	809	782	—
	15	913	930	929	937	937	936	910	856	758	679	651	651	—
	16	938	946	956	956	946	955	965	889	793	726	654	664	—
	17	845	853	853	861	828	861	868	885	886	845	814	803	—
	18	905	897	888	887	895	894	886	833	706	578	556	522	—
	19	861	861	860	867	866	850	860	799	720	653	597	531	—
	20	896	911	919	928	927	945	901	845	701	644	571	583	—
	21	863	879	903	911	895	895	879	775	716	659	591	593	—
	22	816	815	815	822	861	887	855	763	700	600	560	553	—
	23	863	888	896	887	895	902	861	789	677	613	566	538	—
	24	819	841	831	805	786	775	745	607	569	519	492	484	—
	25	813	804	819	795	818	842	781	700	619	558	549	519	—
	26	840	863	870	877	886	885	845	791	693	628	584	558	—
	27	840	863	855	854	862	861	846	776	720	667	634	665	—
	28	891	883	906	914	913	930	905	793	713	636	588	531	—
	29	887	903	886	893	901	909	867	777	664	575	514	607	—
	30	851	857	880	880	896	896	872	748	669	634	545	523	—
Hourly Means.		864	872	872	874	876	881	866	800	727	656	601	592	—
Mean Batavia Time.		1 P.M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
S E P T E M B E R.	1	605	590	685	684	728	761	788	802	808	829	844	842	784
	2	616	622	649	670	681	712	725	801	837	836	844	842	800
	3	628	609	624	605	710	845	860	906	898	905	905	914	778
	4	632	635	636	664	673	699	733	781	852	857	841	833	777
	5	676	645	665	659	656	700	718	743	763	776	817	840	751
	6	428	534	556	586	614	655	731	763	791	805	833	833	725
	7	529	547	571	581	589	626	703	733	760	765	802	817	718
	8	526	591	595	622	676	722	742	774	793	812	833	840	739
	9	566	584	584	648	683	707	742	757	769	801	791	906	734
	10	583	632	658	637	731	861	865	915	923	931	947	930	794
	11	686	629	630	664	689	735	776	740	773	808	846	838	772
	12	596	590	645	630	647	678	738	793	806	834	857	864	744
	13	618	677	677	654	653	691	730	771	798	804	794	816	748
	14	745	720	694	674	746	743	785	836	859	890	905	913	826
	15	625	668	655	690	742	762	775	848	893	940	966	921	816
	16	653	630	647	670	719	746	760	760	787	827	825	831	801
	17	798	814	793	766	751	720	782	826	857	866	882	873	830
	18	608	566	561	597	629	661	719	746	775	788	833	863	742
	19	553	620	629	619	665	697	757	791	818	856	863	896	754
	20	545	573	587	611	683	699	774	807	836	866	849	840	768
	21	608	602	586	566	610	636	690	749	769	795	817	802	741
	22	601	582	604	649	699	710	758	809	790	794	817	832	737
	23	566	608	604	600	638	709	741	774	801	829	821	829	746
	24	464	500	497	572	612	661	712	772	778	782	817	808	677
	25	511	547	594	641	703	735	790	796	816	831	860	834	720
	26	606	582	597	631	672	696	736	741	788	793	805	826	741
	27	665	619	620	655	674	731	762	803	823	846	861	875	766
	28	506	563	581	596	675	696	746	794	836	858	881	880	759
	29	600	554	601	627	660	675	735	781	801	807	822	821	744
	30	604	622	609	576	572	656	720	793	813	819	834	850	738
Hourly Means.		598	609	625	635	673	711	753	790	811	832	847	854	759

DIRECTION OF THE WIND.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12
SEPTEMBER.	1	C	C	C	C	C	C	C	C	C	NNE	NNE	NNE
	2	C	C	C	C	C	C	C	C	C	NE	ENE	ENE
	3	C	C	C	C	C	C	C	NNE	NNE	NNE	NNE	NNE
	4	C	C	C	C	C	C	S	S	ESE	ESE	ENE	ENE
	5	C	C	C	C	C	NNE	C	NNE	NNE	NNE	NE	NNE
	6	C	C	C	C	C	C	C	NNE	NE	ENE	SE	E
	7	C	NNE	C	C	C	C	C	C	NNE	NNE	ENE	ENE
	8	C	C	C	C	C	C	C	NNE	NNE	N	NNW	NNE
	9	C	C	C	C	C	C	NE	NE	NE	NE	ESE	ENE
	10	NNE	C	C	C	C	C	C	NNE	NNE	NE	NE	NE
	11	C	C	NNE	C	C	NNE	NNE	NNE	NNE	NNE	NNE	N
	12	C	C	C	C	C	C	C	C	ENE	ENE	ENE	E
	13	C	C	NNE	C	C	C	C	C	C	NNE	NE	NE
	14	C	C	C	C	C	N	N	C	C	N	NNW	NW
	15	C	C	C	C	C	C	W	C	W	WSW	WSW	NNW
	16	C	C	C	C	C	C	C	C	ENE	ENE	ENE	NE
	17	NNW	NNW	C	NNW	N	ENE	ESE	ESE	ESE	ESE	C	C
	18	C	C	C	C	C	C	C	C	ESE	E	E	E
	19	C	C	C	C	C	C	C	C	NE	NE	ESE	ESE
	20	C	C	C	C	C	C	C	C	NE	NE	NE	NNE
	21	C	C	C	C	C	C	C	NNE	NNE	NNE	NNE	NNE
	22	C	C	C	C	C	C	C	NNE	NNE	ENE	SSE	ENE
	23	C	C	C	C	C	C	C	NNE	NNE	E	E	E
	24	C	C	C	C	NNE	C	NNE	NNE	SSE	SSE	S	NE
	25	C	C	C	C	C	C	N	N	N	N	N	N
	26	C	C	C	C	C	C	C	NNE	NNE	NNE	NNE	NNE
	27	C	C	C	C	C	C	C	C	NNE	ENE	ENE	NNE
	28	C	C	C	C	C	C	C	NE	NE	ENE	E	E
	29	C	C	C	C	C	C	C	C	ENE	ESE	ESE	N
	30	C	C	C	C	C	C	C	NE	ESE	ESE	ESE	ESE

Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12
SEPTEMBER.	1	NNE	NNE	NE	NNE	NE	NE	C	C	C	C	C	C
	2	ENE	NE	NN	NNE	NNE	C	C	C	NNE	C	NNE	NNE
	3	N	NNW	N	N	S	S	C	C	C	C	C	C
	4	N	N	N	NNE	NNE	NNE	C	NNE	NNE	C	C	C
	5	NNE	NNE	NNE	NNE	NNE	NNE	C	C	NNE	NNE	C	C
	6	E	N	NNE	NNE	NNE	NNE	C	C	C	C	C	C
	7	NE	N	N	NNE	NNE	NNE	C	C	C	C	C	C
	8	NNE	NNE	NNE	NE	NE	NE	NE	C	C	C	NE	C
	9	NE	NNE	NNE	NE	NNE	NNE	C	C	C	NNE	NNE	NNE
	10	NE	NNE	N	N	N	NNE	NNE	C	C	C	C	C
	11	N	N	N	NNE	NNE	NNE	NNE	NE	NE	NE	NE	NE
	12	N	NNE	NNE	NNE	NNE	NNE	NNE	C	C	C	NNE	C
	13	NNE	N	N	N	N	C	C	C	C	C	N	C
	14	WNW	NW	WNW	W	W	C	W	C	C	C	C	C
	15	NNE	NNE	NNE	NNE	N	N	N	C	N	C	ENE	ENE
	16	NE	N	N	N	N	N	N	N	N	NNW	NNW	NNW
	17	ESE	C	C	ESE	ESE	ESE	C	C	C	C	C	C
	18	NE	NNE	NE	NNE	NE	NE	C	C	C	C	C	C
	19	E	NNE	N	NE	NE	NE	C	C	C	C	C	C
	20	NNE	N	N	NNE	NNE	NNE	C	C	C	C	C	C
	21	NNE	N	N	NNE	NNE	NNE	C	C	C	C	C	C
	22	NNE	N	NNE	NNE	NNE	NNE	C	C	C	C	C	C
	23	NNE	NNE	NNE	NNE	NNE	NNE	C	C	C	C	C	C
	24	NNE	N	N	N	N	N	C	C	C	C	C	C
	25	NNE	NNE	NNE	NNE	NNE	NNE	C	C	C	C	C	C
	26	NE	NE	NNE	NE	NNE	C	C	C	C	C	C	C
	27	N	NE	NNE	NNE	NE	NE	NE	C	C	C	NE	C
	28	ENE	NE	NE	NE	NE	NE	NE	C	C	C	C	C
	29	NNE	NE	NNE	NE	NE	NE	NE	C	C	C	C	C
	30	NE	NNE	NNE	NE	NE	NE	NE	NE	C	C	C	C

VELOCITY OF THE WIND IN KILOMETERS PER HOUR.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
S E P T E M B E R.	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	7.2	4.0	—
	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	8.9	6.4	—
	3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.6	1.6	0.8	2.4	—
	4	0.0	0.0	0.0	0.0	0.0	0.0	0.8	5.6	8.0	5.6	8.9	8.9	—
	5	0.0	0.0	0.0	0.0	0.0	0.8	0.0	0.8	3.2	4.0	5.6	7.2	—
	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	5.6	8.0	11.3	—
	7	0.0	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.8	2.4	4.8	8.0	—
	8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	1.6	2.4	6.4	—
	9	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.6	1.6	3.2	5.6	10.5	—
	10	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.6	4.0	3.2	5.6	—
	11	0.0	0.0	2.4	0.0	0.0	1.6	0.8	0.8	1.6	3.2	5.6	5.6	—
	12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	7.2	7.2	6.4	—
	13	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.0	0.0	1.6	3.2	5.6	—
	14	0.0	0.0	0.0	0.0	0.0	0.8	1.6	0.0	0.0	1.6	7.2	10.5	—
	15	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.0	4.0	4.0	9.7	8.9	—
	16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	3.2	8.0	—
	17	0.8	0.8	0.0	1.6	5.6	8.9	4.0	3.2	6.4	4.0	0.0	0.0	—
	18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	10.5	8.0	6.4	—
	19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	3.2	4.8	6.4	—
	20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	2.4	5.6	11.3	—
	21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	1.6	3.2	7.2	—
	22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	2.4	2.4	3.2	—
	23	0.0	0.0	0.0	0.0	0.0	0.9	0.0	2.4	4.0	4.0	5.6	8.0	—
	24	0.0	0.0	0.0	0.0	0.8	0.0	2.4	6.4	5.6	3.2	4.0	8.9	—
	25	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.6	1.6	0.8	4.8	11.3	—
	26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	3.2	4.8	8.9	—
	27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	7.2	7.2	12.1	—
	28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	6.4	11.3	8.9	8.9	—
	29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.2	9.7	10.5	14.5	—
	30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	7.2	9.7	6.4	7.2	—
Hourly Means.		0.08	0.05	0.11	0.05	0.21	0.40	0.40	1.04	2.53	4.15	5.59	7.67	—
Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
S E P T E M B E R.	1	7.2	12.9	12.9	8.0	6.4	1.6	0.0	0.0	0.0	0.0	0.0	0.0	2.61
	2	5.6	12.9	12.9	8.9	2.4	0.0	0.0	0.0	0.8	0.0	0.8	0.8	2.58
	3	9.7	12.9	13.7	9.7	5.6	0.8	0.0	0.0	0.0	0.0	0.0	0.0	2.48
	4	12.9	14.5	14.5	12.9	7.2	2.4	0.0	0.8	3.2	0.8	0.0	0.0	4.46
	5	16.1	16.1	16.9	12.1	8.9	0.8	0.0	0.0	0.8	0.8	0.0	0.0	3.92
	6	11.3	14.5	16.1	13.7	10.5	1.6	0.0	0.0	0.0	0.0	0.0	0.0	3.93
	7	12.9	16.1	14.5	15.3	12.1	2.4	0.0	0.0	0.0	0.0	0.0	0.0	3.75
	8	15.3	18.5	16.9	14.5	11.3	4.8	0.8	0.0	0.0	0.0	0.8	0.0	3.95
	9	16.1	17.7	17.7	13.7	11.3	4.0	0.0	0.0	0.0	2.4	1.6	1.6	4.56
	10	8.0	15.3	13.7	10.5	4.8	1.6	1.6	0.0	0.0	0.0	0.0	0.0	3.01
	11	8.0	9.7	8.0	10.5	4.8	3.2	2.4	3.2	2.4	1.6	0.8	0.8	3.21
	12	11.3	11.3	6.4	4.8	4.8	4.0	1.6	0.0	0.0	0.0	0.8	0.0	2.81
	13	8.0	3.2	4.0	3.2	1.6	0.0	0.0	0.0	0.0	0.0	0.8	0.0	1.33
	14	8.0	8.9	9.7	4.8	2.4	0.0	0.8	0.0	0.6	0.0	0.0	0.0	2.35
	15	12.9	12.1	11.3	9.7	5.6	2.4	0.8	0.0	0.8	0.0	6.4	1.6	3.79
	16	13.7	15.3	12.9	10.5	6.4	1.6	0.8	0.8	0.8	5.6	1.6	2.4	3.62
	17	0.8	0.0	0.0	0.8	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0	1.60
	18	14.5	15.3	14.5	13.7	7.2	0.8	0.0	0.0	0.0	0.0	0.0	0.0	3.89
	19	11.3	16.1	13.7	13.7	8.0	1.6	0.0	0.0	0.0	0.0	0.0	0.0	3.32
	20	12.1	14.5	14.5	8.9	8.0	0.8	0.0	0.0	0.0	0.0	0.0	0.0	3.29
	21	11.3	12.1	10.5	15.3	7.2	0.8	0.0	0.0	0.0	0.0	0.0	0.0	2.95
	22	9.7	14.5	15.3	16.9	8.9	0.8	0.0	0.0	0.0	0.0	0.0	0.0	3.15
	23	15.3	16.1	18.5	16.1	12.1	4.0	0.0	0.0	0.0	0.0	0.0	0.0	4.42
	24	13.7	11.3	11.3	8.9	4.0	0.8	0.0	0.0	0.0	0.0	0.0	0.0	3.39
	25	11.3	15.3	11.3	10.5	8.9	1.6	0.0	0.0	0.0	0.0	0.0	0.0	3.33
	26	16.9	12.9	15.3	12.9	7.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.49
	27	16.1	17.7	16.9	12.1	11.3	6.4	1.6	0.0	0.0	0.0	0.8	0.0	4.73
	28	12.9	21.7	21.7	18.5	16.1	12.1	6.4	0.8	0.0	0.0	0.0	0.0	6.14
	29	17.7	21.7	20.9	18.5	12.9	4.8	1.6	0.0	0.0	0.0	0.0	0.0	5.83
	30	12.9	15.3	17.7	14.5	10.5	6.4	1.6	0.8	0.0	0.0	0.0	0.0	4.66
Hourly Means.		11.78	13.88	13.47	11.47	7.64	2.43	0.67	0.21	0.29	0.37	0.48	0.24	3.55

CLOUDS.

CLEAR = 0. — OVERCAST = 10.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
SEPTEMBER.	1	7	9	6	7	4	8	10	10	9	7	9	9	—
	2	6	4	6	6	6	4	10	10	10	10	9	8	—
	3	3	1	1	2	5	7	3	6	3	1	4	7	—
	4	9	9	8	10	9	5	7	4	3	6	9	8	—
	5	9	9	7	9	6	6	7	5	3	5	7	6	—
	6	4	2	2	0	1	3	6	3	2	2	3	5	—
	7	5	4	5	4	6	4	4	3	2	5	6	8	—
	8	3	1	3	4	4	6	6	4	6	2	7	1	—
	9	3	2	2	1	2	2	5	2	2	2	3	4	—
	10	10	10	10	10	6	6	7	4	5	6	6	8	—
	11	9	9	6	2	1	3	6	6	5	7	7	9	—
	12	7	6	4	6	5	7	8	7	7	8	8	9	—
	13	5	3	3	5	5	9	4	8	6	6	8	6	—
	14	9	8	8	8	7	10	10	10	10	10	10	9	—
	15	7	6	7	5	5	7	4	6	4	7	7	8	—
	16	9	9	8	4	3	2	4	3	3	3	5	6	—
	17	8	7	6	6	7	10	10	10	10	10	10	10	—
	18	10	6	5	8	10	8	6	7	6	4	7	9	—
	19	2	2	1	1	1	7	7	3	2	4	2	4	—
	20	2	1	2	0	3	3	9	8	7	6	3	2	—
	21	2	6	2	5	8	9	9	5	6	5	7	9	—
	22	4	3	4	2	5	3	6	8	6	4	4	6	—
	23	2	2	3	1	1	4	7	4	3	4	3	2	—
	24	6	3	2	2	2	2	1	0	0	0	2	5	—
	25	3	3	2	4	3	6	1	1	2	2	4	2	—
	26	2	2	1	1	2	3	7	5	5	6	8	7	—
	27	4	3	2	3	2	2	5	4	6	8	7	9	—
	28	3	5	5	3	3	4	2	1	2	3	9	8	—
	29	1	2	0	2	1	1	1	1	0	2	6	6	—
	30	4	3	2	0	2	3	3	3	3	6	6	8	—
Hourly Means.		5.3	4.7	4.1	4.0	4.2	5.1	5.8	5.0	4.6	5.0	6.2	6.6	—
Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
SEPTEMBER.	1	8	6	7	6	7	7	5	9	10	10	8	7	7.7
	2	7	8	7	9	6	6	8	9	7	10	9	3	7.4
	3	6	4	3	3	10	10	9	9	9	7	9	9	5.5
	4	6	5	4	5	6	7	9	10	8	10	10	10	7.4
	5	4	2	5	7	5	8	6	7	7	8	6	6	6.3
	6	7	2	1	1	4	2	4	7	7	4	3	5	3.3
	7	5	7	7	5	6	3	2	2	1	2	1	3	4.2
	8	4	3	4	7	9	9	9	9	9	7	5	5	5.3
	9	4	3	2	3	6	9	10	10	8	8	10	10	4.7
	10	6	6	4	7	10	10	9	10	10	8	6	7	7.5
	11	10	6	7	6	6	9	8	9	9	7	5	2	6.4
	12	7	9	10	9	7	7	9	9	10	9	7	4	7.5
	13	8	10	9	6	7	6	9	9	9	9	9	7	6.9
	14	6	7	5	6	9	8	7	9	8	7	8	6	8.1
	15	8	6	4	4	6	9	8	8	10	10	9	6	6.7
	16	2	3	2	3	4	4	10	10	9	10	10	10	5.7
	17	10	10	10	10	10	7	9	5	9	10	10	10	8.9
	18	7	4	4	3	4	2	5	7	7	9	9	2	6.2
	19	2	2	4	7	8	9	4	2	2	1	1	0	3.3
	20	3	3	2	2	1	1	2	6	4	4	4	2	3.3
	21	3	2	2	2	3	3	3	5	2	3	7	7	4.8
	22	9	9	9	9	7	6	7	4	5	4	6	3	5.5
	23	4	3	3	4	6	5	7	7	5	8	6	6	4.2
	24	4	2	3	6	7	6	4	5	8	4	2	1	3.2
	25	2	3	2	1	1	2	4	3	6	7	4	4	3.0
	26	3	1	1	0	1	7	9	7	5	3	3	2	3.8
	27	6	6	9	9	9	6	4	3	2	3	1	7	5.0
	28	6	4	5	3	2	4	3	1	1	0	0	0	3.2
	29	2	3	3	1	3	3	2	4	3	7	5	3	2.6
	30	7	5	5	8	8	10	7	6	4	6	4	8	5.0
Hourly Means.		5.5	4.8	4.8	5.1	5.9	6.2	6.4	6.7	6.5	6.5	5.9	5.2	5.42

BAROMETRIC PRESSURE.

BAROMETER AT 0°C = 750 MILLIMETRES + THE NUMBERS IN THE TABLE.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
OCTOBER.	1	9.53	9.38	9.16	9.12	9.38	9.74	10.12	10.67	11.03	10.71	10.23	9.56	—
	2	10.53	10.19	9.94	9.89	10.04	10.52	10.98	11.40	11.73	11.47	10.53	9.66	—
	3	10.14	9.82	9.82	10.17	10.28	10.77	11.35	11.95	12.24	11.82	11.54	10.49	—
	4	10.51	10.34	10.31	10.34	10.83	11.22	11.84	12.11	12.08	11.64	10.73	9.99	—
	5	10.13	9.94	9.75	9.71	9.90	10.19	10.86	11.08	11.14	10.97	10.36	9.52	—
	6	8.99	8.92	8.86	8.95	9.17	9.54	10.08	10.55	10.63	10.23	9.52	8.84	—
	7	9.89	9.37	9.30	9.30	9.69	10.01	10.38	10.85	10.89	10.67	10.37	9.58	—
	8	9.92	9.63	9.50	9.50	9.81	10.43	11.05	11.68	11.69	11.53	11.18	10.74	—
	9	10.40	10.05	9.81	9.83	9.99	10.60	10.99	11.35	11.54	11.07	10.39	9.59	—
	10	9.95	9.65	9.60	9.80	9.93	10.05	10.75	11.05	11.17	11.08	10.60	9.67	—
	11	9.44	9.12	9.15	9.11	9.17	9.49	10.04	10.64	10.83	10.73	10.14	9.13	—
	12	9.79	9.31	9.31	9.26	9.59	9.95	10.31	10.69	10.80	10.49	10.03	9.36	—
	13	9.12	8.70	8.46	8.60	8.77	9.18	9.66	10.11	10.24	9.77	9.14	8.63	—
	14	8.75	8.31	8.04	8.47	8.67	8.94	9.43	9.78	9.94	9.73	9.38	8.58	—
	15	9.60	9.21	9.15	9.17	9.43	9.81	10.18	10.80	10.75	10.76	10.18	9.66	—
	16	10.43	9.95	9.83	9.72	9.74	10.17	10.73	11.17	11.00	10.63	10.36	9.89	—
	17	9.53	9.45	9.38	9.44	9.77	10.10	10.73	10.90	10.85	10.58	10.06	9.43	—
	18	9.65	9.40	9.15	9.15	9.48	9.81	10.51	11.10	10.93	10.70	10.29	9.57	—
	19	9.32	9.21	9.19	9.31	9.43	9.81	10.34	11.00	10.95	10.69	10.34	9.49	—
	20	9.58	9.52	9.15	8.99	9.48	9.79	10.29	10.72	10.79	10.39	9.99	9.42	—
	21	8.92	8.75	8.77	8.84	9.15	9.45	9.85	10.20	9.84	9.84	9.44	8.66	—
	22	8.65	8.12	8.48	8.78	8.96	9.54	9.63	9.95	9.92	9.62	9.22	8.64	—
	23	7.95	7.62	7.87	8.08	8.25	8.35	9.63	9.38	9.29	9.24	8.68	7.83	—
	24	7.82	7.76	7.42	7.45	7.52	8.10	8.53	8.97	8.99	8.65	8.03	7.52	—
	25	7.62	7.30	6.87	6.99	7.16	7.84	8.34	9.02	9.17	8.90	8.53	7.83	—
	26	7.74	7.61	7.61	7.60	7.61	8.26	8.70	9.15	9.62	9.48	9.14	8.86	—
	27	8.76	8.41	8.19	8.41	8.58	9.06	9.83	10.03	10.24	9.87	9.56	9.04	—
	28	9.12	8.69	8.51	8.51	8.92	9.48	9.73	9.84	10.04	9.77	9.48	8.84	—
	29	9.11	8.82	8.60	8.51	8.97	9.08	9.71	9.90	9.76	9.45	8.88	8.23	—
	30	8.99	8.76	8.37	8.42	8.87	9.23	9.61	9.94	10.04	9.75	9.23	8.66	—
	31	8.40	8.07	7.97	8.12	8.36	8.85	9.03	9.54	9.63	9.55	8.97	8.51	—
Hourly Means.		9.30	9.01	8.89	8.95	9.19	9.59	10.10	10.50	10.57	10.32	9.82	9.14	—
Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
OCTOBER.	1	8.88	8.13	7.88	7.79	8.02	8.41	9.02	9.63	10.19	10.68	10.62	10.65	9.52
	2	8.88	8.23	7.71	7.77	8.12	8.58	9.33	9.88	10.49	10.92	10.96	10.65	9.93
	3	9.71	9.32	8.71	8.72	9.16	9.52	10.08	10.53	10.88	11.30	11.24	10.79	10.43
	4	9.51	8.91	8.63	8.38	8.61	9.13	9.46	10.07	10.63	10.85	10.82	10.68	10.32
	5	8.68	8.02	7.63	7.39	7.74	8.41	9.24	9.59	10.07	10.28	10.03	9.49	9.59
	6	8.32	8.02	7.48	7.38	7.99	8.49	9.26	9.74	10.17	10.63	10.58	10.07	9.27
	7	9.08	8.57	7.97	7.87	8.56	9.18	10.06	10.76	11.47	11.38	11.27	10.69	9.88
	8	9.89	9.20	9.10	9.20	9.72	9.89	10.08	10.65	10.87	10.98	10.84	10.60	10.32
	9	8.97	8.49	8.38	8.17	8.58	8.84	9.70	9.98	10.65	10.83	10.92	10.38	9.98
	10	8.63	8.53	8.57	8.63	8.70	8.70	9.10	9.35	9.81	10.10	9.86	9.81	9.71
	11	8.56	7.84	7.29	7.86	8.74	8.89	9.67	9.99	10.30	10.56	10.60	10.08	9.47
	12	8.52	7.93	7.43	7.34	7.68	8.48	9.42	10.09	10.65	10.75	10.59	9.93	9.49
	13	7.48	6.91	6.34	6.55	7.07	7.92	8.43	9.04	9.61	9.95	9.99	9.37	8.71
	14	7.97	7.46	7.30	7.26	7.70	8.28	9.23	9.89	10.46	10.58	10.45	10.05	8.94
	15	9.03	8.51	7.96	7.57	7.92	8.48	9.32	10.04	10.74	11.14	11.17	10.65	9.63
	16	8.87	8.27	7.82	7.58	7.77	8.37	8.67	9.24	9.78	10.19	10.12	9.90	9.59
	17	8.73	8.27	7.85	7.52	7.88	8.51	9.08	9.53	10.13	10.46	10.49	10.10	9.53
	18	9.05	8.38	8.28	8.26	8.34	8.69	9.52	10.04	10.24	10.28	10.13	9.88	9.62
	19	8.63	8.34	7.97	7.84	8.14	8.59	9.31	9.64	10.14	10.49	10.42	10.05	9.53
	20	8.74	8.04	7.57	7.54	7.69	8.28	9.04	9.26	9.60	10.04	9.74	9.21	9.29
	21	8.36	7.62	6.99	7.19	7.79	8.56	8.90	9.29	9.37	9.70	9.29	8.97	8.91
	22	7.43	7.08	6.58	6.38	6.78	8.22	9.14	9.15	9.25	9.37	8.92	8.56	8.60
	23	7.29	6.94	6.62	6.42	7.04	7.78	8.30	8.78	9.00	9.10	8.91	8.45	8.20
	24	6.61	6.06	5.58	5.48	5.98	6.44	7.14	7.75	8.14	8.68	8.64	8.00	7.55
	25	6.88	6.21	5.81	5.74	6.01	6.71	7.54	8.08	8.43	8.85	8.66	8.30	7.62
	26	7.78	7.11	6.51	6.76	7.37	8.15	8.64	9.03	9.28	9.72	9.70	9.21	8.36
	27	8.12	7.63	6.96	7.06	7.46	7.92	8.28	8.63	9.43	9.77	9.94	9.53	8.78
	28	7.99	7.48	8.28	8.05	8.16	8.75	9.13	9.51	9.88	10.13	10.13	9.78	9.09
	29	7.26	6.59	6.34	6.34	6.56	7.18	7.75	8.29	8.63	9.45	9.43	9.23	8.42
	30	7.74	7.12	6.69	6.66	7.13	7.67	8.43	9.03	9.26	9.54	9.38	8.83	8.64
	31	7.78	7.68	7.07	6.73	6.99	7.51	8.00	8.54	9.04	8.98	9.03	8.61	8.37
Hourly Means.		8.37	7.84	7.46	7.40	7.79	8.34	8.98	9.45	9.89	10.18	10.09	9.69	9.20

STANDARD THERMOMETER.

OCTOBER.													
Mean Batavia Time.	1 A.M.	2	3	4	5	6	7	8	9	10	11	12	—
1	76.2	76.2	75.9	75.5	75.4	75.0	76.0	78.1	82.0	84.2	84.0	84.7	—
2	75.7	75.7	75.2	74.6	74.0	74.0	74.6	76.5	79.4	82.7	86.3	88.0	—
3	77.9	77.9	77.7	77.1	76.5	73.0	73.6	76.0	78.1	81.5	83.6	85.6	—
4	74.4	73.9	72.9	72.3	72.0	71.3	73.0	76.8	80.3	83.5	86.5	87.5	—
5	76.5	75.0	73.6	72.6	72.0	71.5	73.0	76.5	80.3	83.1	85.7	86.3	—
6	75.3	74.8	74.0	73.4	72.9	72.4	74.0	78.2	82.0	84.1	86.6	87.0	—
7	74.7	74.3	74.3	74.3	73.6	74.0	74.5	76.2	79.2	80.9	82.2	83.9	—
8	74.8	74.8	74.7	74.3	74.3	74.7	75.0	76.0	78.3	79.6	76.5	74.5	—
9	74.0	73.6	73.5	73.3	73.1	73.4	73.8	75.0	78.0	81.0	82.7	83.5	—
10	75.5	75.3	75.1	75.0	74.6	74.4	74.9	76.0	78.4	80.0	82.3	83.4	—
11	73.0	72.6	72.5	72.5	72.0	71.7	73.0	75.8	79.0	81.5	84.0	84.5	—
12	73.9	73.7	73.5	73.5	73.1	73.6	74.5	76.1	78.4	81.6	83.4	84.6	—
13	74.9	74.9	74.1	73.8	73.4	73.6	74.3	76.5	81.9	84.3	86.5	87.1	—
14	78.0	77.5	76.4	75.5	75.0	74.5	75.5	78.6	82.5	85.5	87.8	87.5	—
15	76.2	75.5	75.5	74.5	73.5	73.0	74.0	77.5	81.0	83.6	87.0	87.4	—
16	77.4	76.5	76.3	76.0	75.0	74.6	75.5	77.0	80.7	83.6	84.2	85.5	—
17	77.0	77.0	76.4	75.2	74.2	73.6	74.8	77.6	80.9	83.4	85.2	85.1	—
18	75.0	73.8	73.2	72.7	72.7	72.5	73.6	76.5	80.0	83.1	85.5	86.6	—
19	75.0	74.3	74.1	73.9	73.1	72.9	74.5	78.2	81.0	83.8	86.3	86.8	—
20	75.8	76.1	74.5	74.0	73.7	73.9	74.7	76.7	78.5	81.8	83.7	84.5	—
21	75.2	74.6	74.2	73.6	73.4	73.4	75.3	78.5	80.8	83.0	84.6	84.5	—
22	74.0	73.4	73.0	72.7	72.2	72.0	73.8	77.7	80.7	83.7	85.7	86.5	—
23	74.0	73.4	73.0	73.0	72.8	72.4	73.7	76.7	81.6	83.5	84.7	85.7	—
24	74.8	74.4	74.4	74.0	73.5	73.3	74.6	77.8	81.5	84.9	86.2	85.7	—
25	76.0	75.5	75.1	74.6	74.1	73.8	75.6	79.0	83.0	83.6	81.4	81.5	—
26	75.8	75.2	75.0	74.4	73.8	73.6	75.4	79.7	83.2	85.5	85.8	81.6	—
27	74.7	74.1	73.8	73.8	73.4	73.2	74.5	76.8	80.7	82.8	82.9	81.6	—
28	73.8	73.8	73.8	73.5	73.1	72.9	74.2	77.4	80.6	82.8	84.5	85.7	—
29	73.1	72.9	72.4	72.3	72.0	72.2	73.2	76.0	79.5	82.4	84.8	86.6	—
30	77.0	76.2	75.8	74.6	73.5	73.0	74.4	77.6	80.6	83.2	85.3	86.7	—
31	76.3	75.3	74.5	74.1	73.9	73.0	74.7	78.2	81.8	84.5	86.2	85.3	—
Hourly Means.	75.35	74.91	74.46	74.02	73.54	73.24	74.39	77.14	80.45	82.99	84.58	85.01	—
OCTOBER.													
Mean Batavia Time.	1 P.M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
1	85.4	85.4	83.8	83.4	82.8	82.1	81.9	80.6	78.4	76.2	75.2	75.6	79.75
2	87.0	86.5	85.7	84.1	83.4	82.3	81.9	81.4	81.0	79.8	79.0	78.2	80.29
3	85.8	84.9	84.3	83.6	82.9	81.4	80.0	79.1	77.3	76.2	75.8	75.0	79.37
4	85.5	86.5	85.0	84.0	83.2	81.7	80.4	78.5	77.9	77.7	77.7	77.3	79.16
5	86.5	85.2	85.2	84.0	82.9	82.0	80.2	78.7	78.0	77.6	77.0	76.3	79.15
6	86.1	85.0	84.6	84.2	83.1	82.1	81.9	81.5	79.0	77.2	75.3	75.3	79.58
7	84.0	82.6	82.9	83.0	82.2	81.3	80.4	78.4	76.4	76.0	76.0	75.7	78.38
8	76.2	77.0	78.5	79.3	78.0	76.2	75.2	75.1	75.0	74.3	74.3	74.2	75.87
9	84.4	83.9	82.6	80.0	80.2	78.7	78.0	77.5	76.9	76.0	75.8	75.6	77.69
10	82.4	81.8	78.3	77.0	75.7	75.4	75.2	74.7	74.1	73.9	74.0	73.2	76.69
11	84.5	84.1	84.1	81.4	75.9	75.5	75.5	75.1	74.9	74.8	74.8	74.4	76.96
12	85.5	84.4	86.0	85.7	84.0	82.0	80.2	78.4	77.3	76.9	76.0	75.5	78.83
13	88.9	89.9	89.4	88.0	85.8	83.7	81.8	80.4	79.0	78.6	78.0	78.0	80.70
14	87.6	87.0	87.5	86.0	84.0	82.5	81.0	80.2	79.6	79.0	78.0	77.3	81.00
15	86.6	86.0	85.7	84.3	83.0	82.1	81.1	80.3	80.0	79.5	79.1	78.5	80.20
16	86.7	86.5	85.5	84.3	83.5	82.5	81.5	80.9	80.3	79.5	78.7	78.1	80.43
17	86.2	85.8	86.0	84.4	83.2	82.2	81.5	80.0	79.2	78.4	78.0	77.3	80.11
18	86.6	86.0	85.4	83.9	83.3	82.2	80.7	79.0	78.6	77.6	76.8	75.8	79.21
19	87.0	84.7	84.7	83.9	83.4	82.5	81.6	80.4	78.5	77.6	76.9	75.8	79.62
20	81.0	81.6	83.9	83.9	83.7	82.1	80.8	79.6	78.5	77.0	76.4	75.5	78.83
21	82.5	84.8	85.7	85.0	83.4	80.9	78.7	77.4	76.0	75.4	75.4	74.4	78.78
22	87.2	86.0	85.6	85.0	84.0	81.4	79.0	76.7	75.4	74.9	74.6	74.0	78.72
23	85.5	83.5	83.6	83.6	83.0	82.5	81.6	79.5	78.0	77.2	76.4	75.6	78.94
24	85.3	87.0	86.0	85.7	84.0	83.0	81.5	80.2	79.0	77.9	77.5	76.6	79.95
25	84.3	85.9	86.2	84.8	84.0	82.5	81.3	80.3	79.2	78.1	77.1	76.7	79.73
26	82.3	82.6	82.8	82.6	82.0	81.4	80.1	79.4	78.2	76.9	76.1	75.3	79.11
27	83.5	84.4	84.0	83.0	82.0	81.5	80.6	77.2	77.0	74.4	74.4	74.0	78.26
28	84.1	83.8	73.5	72.9	72.6	73.5	73.7	73.2	73.0	73.0	73.0	73.3	76.07
29	87.9	86.2	84.8	84.2	83.0	82.0	80.1	79.1	78.2	77.8	77.8	77.6	79.00
30	87.3	86.6	86.4	85.4	83.8	82.6	81.2	80.4	79.0	78.0	77.8	77.2	80.15
31	85.5	83.9	83.6	83.6	82.6	82.0	80.5	79.2	78.4	77.5	76.9	76.1	79.48
Hourly Means.	85.14	84.82	84.24	83.36	82.21	81.09	79.97	78.79	77.78	76.93	76.45	75.92	79.03

RELATIVE HUMIDITY OF THE AIR.

SATURATION = 1000.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
OCTOBER.	1	833	841	848	848	855	863	849	776	680	598	642	643	—
	2	707	699	705	711	724	756	772	771	733	656	503	492	—
	3	829	836	836	843	866	920	947	915	861	720	633	578	—
	4	896	861	859	866	874	900	868	772	702	562	454	511	—
	5	833	839	844	859	874	874	843	772	660	554	500	499	—
	6	815	805	845	860	851	867	821	732	659	585	557	572	—
	7	930	938	938	938	947	947	947	915	832	776	737	687	—
	8	947	939	947	947	947	939	956	931	862	802	924	947	—
	9	965	965	965	965	965	965	956	947	814	733	696	699	—
	10	931	940	939	922	922	930	922	882	831	787	682	672	—
	11	955	955	955	955	964	964	946	865	763	713	680	663	—
	12	938	947	947	947	946	938	956	899	807	720	685	663	—
	13	922	913	921	938	938	938	913	891	693	642	596	544	—
	14	837	844	891	905	922	921	898	807	738	641	588	593	—
	15	899	898	889	904	911	902	861	796	726	634	549	551	—
	16	900	940	948	940	947	947	940	875	746	660	617	621	—
	17	891	891	906	922	913	853	830	781	755	685	608	626	—
	18	822	836	835	859	859	850	811	741	687	599	535	518	—
	19	863	888	887	870	894	894	870	806	710	612	551	547	—
	20	856	865	930	938	947	938	930	875	831	758	666	650	—
	21	930	930	938	929	938	929	914	815	747	677	644	656	—
	22	921	929	929	920	937	936	878	813	732	660	623	638	—
	23	903	911	920	929	929	928	903	843	693	665	632	611	—
	24	913	921	930	938	929	929	904	852	727	639	575	622	—
	25	899	923	922	930	930	929	881	785	637	632	762	719	—
	26	899	905	905	930	930	920	880	795	685	622	611	734	—
	27	930	947	947	947	956	955	947	916	790	732	732	770	—
	28	965	965	965	973	982	973	956	876	812	724	689	700	—
	29	964	964	973	964	955	964	965	923	742	647	600	583	—
	30	765	778	785	839	911	920	896	751	702	632	603	608	—
	31	915	905	897	878	878	886	846	761	743	689	670	698	—
Hourly Means.		889	894	901	907	914	915	897	835	745	670	630	633	—
Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
OCTOBER.	1	634	620	665	684	682	694	714	753	799	693	682	653	731
	2	574	582	604	622	651	682	693	719	739	772	793	821	687
	3	617	557	565	556	596	677	743	748	828	850	881	888	762
	4	488	517	531	575	578	658	715	770	775	781	790	819	713
	5	523	540	516	569	629	658	715	778	798	797	812	833	713
	6	617	594	605	622	671	708	750	770	801	907	947	947	746
	7	687	709	690	677	729	762	767	830	915	931	931	948	838
	8	915	891	807	794	892	940	939	939	939	947	947	965	917
	9	642	647	688	879	818	870	884	867	900	899	915	923	857
	10	722	757	901	916	940	957	957	947	947	956	947	965	886
	11	636	675	675	769	898	930	939	956	956	947	939	939	860
	12	634	668	624	635	621	638	730	806	835	858	882	898	801
	13	551	501	448	497	506	627	713	759	831	838	816	837	742
	14	612	684	622	667	714	759	805	833	824	854	868	883	780
	15	572	587	566	635	697	729	783	818	833	848	863	846	762
	16	614	582	615	648	691	729	799	827	864	879	894	885	796
	17	613	617	612	663	712	744	770	802	808	838	853	828	772
	18	489	508	553	594	609	652	716	778	778	797	818	848	712
	19	577	643	643	653	671	695	756	788	814	820	842	856	756
	20	769	706	647	660	646	729	782	802	822	875	899	923	810
	21	673	625	616	632	691	768	822	851	856	898	898	913	804
	22	562	568	555	594	608	733	793	817	864	888	896	903	779
	23	641	678	686	686	690	702	756	785	821	859	874	905	790
	24	672	634	642	628	687	732	770	818	839	876	875	899	790
	25	648	623	612	663	693	744	791	826	870	877	883	891	795
	26	721	773	731	709	720	769	818	832	868	932	940	939	815
	27	713	688	666	711	736	762	826	834	867	947	947	965	843
	28	707	734	887	902	982	973	965	955	964	973	964	955	898
	29	542	617	650	667	696	742	818	847	869	876	744	751	794
	30	549	570	570	639	699	730	798	834	854	884	892	900	755
	31	667	755	734	705	730	778	864	886	869	876	891	915	810
Hourly Means.		632	640	643	673	706	751	796	825	850	870	876	885	791

DIRECTION OF THE WIND.

Mean Batavia Time.												
I. A. M.												
2												
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												
OCTOBER.												
1	C	C	C	C	C	C	C	NE	NE	E	E	NE
2	C	C	C	C	C	C	C	C	N	NE	E	ENE
3	C	C	C	C	C	C	C	C	C	NE	NE	NE
4	C	C	C	C	C	C	C	C	C	NE	E	ENE
5	C	C	C	C	C	C	C	C	C	NE	NE	N
6	C	C	C	C	C	C	C	C	C	NE	NE	NNE
7	C	C	C	C	C	C	C	C	C	NE	NE	NE
8	C	C	C	C	C	C	C	C	C	C	NE	NE
9	C	C	C	C	C	C	C	C	C	C	NE	NE
10	C	C	C	C	C	C	C	C	C	C	NE	NE
11	C	C	C	C	C	C	C	C	C	C	NE	NE
12	C	C	C	C	C	C	C	C	C	C	NE	NE
13	C	C	C	C	C	C	C	C	C	C	NE	NE
14	C	C	C	C	C	C	C	C	C	C	NE	NE
15	C	C	C	C	C	C	C	C	C	C	NE	NE
16	C	C	C	C	C	C	C	C	C	C	NE	NE
17	C	C	C	C	C	C	C	C	C	C	NE	NE
18	C	C	C	C	C	C	C	C	C	C	NE	NE
19	C	C	C	C	C	C	C	C	C	C	NE	NE
20	C	C	C	C	C	C	C	C	C	C	NE	NE
21	C	C	C	C	C	C	C	C	C	C	NE	NE
22	C	C	C	C	C	C	C	C	C	C	NE	NE
23	C	C	C	C	C	C	C	C	C	C	NE	NE
24	C	C	C	C	C	C	C	C	C	C	NE	NE
25	C	C	C	C	C	C	C	C	C	C	NE	NE
26	C	C	C	C	C	C	C	C	C	C	NE	NE
27	C	C	C	C	C	C	C	C	C	C	NE	NE
28	C	C	C	C	C	C	C	C	C	C	NE	NE
29	C	C	C	C	C	C	C	C	C	C	NE	NE
30	C	C	C	C	C	C	C	C	C	C	NE	NE
31	C	C	C	C	C	C	C	C	C	C	NE	NE

Mean Batavia Time.												
I P. M.												
2												
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												
OCTOBER.												
1	NE	NE	N	N	N	N	C	N	N	N	N	C
2	NNE	NNE	NNE	NNE	NNE	NNE	NNE	C	C	C	C	C
3	NNE	NNE	N	NNE	NNE	NNE	C	C	C	C	C	C
4	N	N	NNE	NE	NE	NE	C	C	C	C	C	C
5	N	N	N	N	N	N	C	C	C	C	C	C
6	N	N	NE	NNE	NNE	NNE	C	C	C	C	C	C
7	NNE	NNE	NNE	NNE	NNE	NNE	C	C	C	C	C	C
8	C	C	C	C	C	C	C	C	C	C	C	C
9	NNE	NNE	N	NW	NW	C	NW	NW	NW	NW	C	C
10	NNE	NNE	N	C	C	C	C	C	C	C	C	C
11	NNE	NE	NNE	ESE	C	SE	SE	C	C	SE	SE	C
12	E	NE	ENE	ENE	ENE	ENE	C	C	C	C	C	C
13	E	ENE	ENE	ENE	ENE	ENE	ENE	ENE	C	C	C	C
14	NE	NE	E	NE	NE	NE	NE	C	C	C	C	C
15	NNE	NNE	NE	NNE	NNE	NNE	C	C	C	C	C	C
16	N	N	NNE	NNE	NNE	NNE	C	C	C	C	C	C
17	N	N	NE	NE	N	N	NNE	ENE	ENE	ENE	ENE	ENE
18	NNE	NNE	NNE	NNE	NNE	NNE	C	C	C	C	C	C
19	NE	NE	NE	NNE	NNE	NNE	C	C	C	C	C	C
20	NE	ENE	ENE	ENE	ENE	ENE	ENE	C	C	C	C	C
21	NE	N	NE	NE	NE	NE	C	C	C	C	C	C
22	NNE	N	NNE	N	N	N	N	NNE	NNE	C	C	C
23	NNE	N	N	N	N	N	C	C	C	C	C	C
24	NE	NNE	NNW	NNE	NNE	NNE	C	C	C	C	C	C
25	ENE	ENE	ENE	ENE	NE	NE	NE	C	C	C	C	C
26	N	N	N	N	N	N	C	C	C	C	C	C
27	ENE	NE	NE	NE	NE	C	NNE	NNE	NNE	NE	NE	C
28	NNE	NNE	S	S	C	C	C	C	C	C	C	C
29	S	NE	NE	N	N	N	C	C	C	C	SW	SW
30	S	ESE	E	ENE	NE	NE	C	C	C	C	C	C
31	NNE	NE	NE	NNE	NNE	C	C	C	C	C	C	C

VELOCITY OF THE WIND IN KILOMETERS PER HOUR.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
OCTOBER.	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	4.0	4.8	4.8	4.8	—
	2	0.0	0.8	0.8	0.8	0.0	0.0	0.0	0.0	1.6	4.8	12.9	12.1	—
	3	0.0	0.0	0.0	0.8	5.6	0.8	0.0	0.0	0.8	1.6	2.4	9.7	—
	4	0.0	0.0	0.8	0.0	0.0	0.8	0.8	1.6	4.0	6.4	8.0	12.1	—
	5	0.0	0.0	0.8	0.8	0.0	0.0	0.0	0.0	1.6	4.8	8.9	12.1	—
	6	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.8	3.2	3.2	7.2	17.7	—
	7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	0.8	2.4	5.6	10.5	—
	8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	8.0	3.2	—
	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	4.8	—
	10	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.0	1.6	2.4	4.8	10.5	—
	11	0.0	0.0	0.0	0.0	0.0	0.8	0.8	1.6	1.6	2.4	4.0	9.7	—
	12	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.0	2.4	6.4	7.2	9.7	—
	13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.5	12.9	9.7	12.1	—
	14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	5.6	12.9	11.3	10.5	—
	15	0.0	1.6	0.8	0.0	0.0	0.0	0.0	0.0	0.8	3.2	4.8	12.1	—
	16	0.0	0.0	0.8	0.0	0.0	0.0	0.8	0.0	0.8	0.8	0.8	8.9	—
	17	0.0	3.2	0.8	0.0	0.0	0.8	0.0	0.8	0.0	0.8	4.0	10.5	—
	18	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8	0.8	4.8	—
	19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	1.6	3.2	4.0	—
	20	2.4	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.8	4.8	12.1	13.7	—
	21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	4.0	4.0	4.0	6.4	—
	22	0.0	0.0	0.0	0.0	0.0	0.0	0.8	2.4	1.6	4.0	4.0	3.2	—
	23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	2.4	0.8	4.0	—
	24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	5.6	3.2	5.6	—
	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	7.2	9.7	6.4	5.6	—
	26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	7.2	8.0	10.5	—
	27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.6	7.2	7.2	—
	28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	0.8	6.4	—
	29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.6	3.2	1.6	—
	30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.4	7.2	8.0	4.8	4.8	—
	31	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	2.4	3.2	7.2	—
Hourly Means.		0.08	0.28	0.23	0.08	0.18	0.10	0.13	0.88	2.40	4.19	5.38	8.26	—
Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
OCTOBER.	1	4.8	9.7	8.9	5.6	4.8	2.4	0.0	0.8	1.6	1.6	1.6	0.0	2.51
	2	13.7	14.5	16.1	11.3	10.5	4.8	2.4	0.0	0.0	0.0	0.0	0.0	4.46
	3	10.5	12.1	12.1	6.4	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.72
	4	15.3	16.9	20.9	18.5	9.7	2.4	0.0	0.0	0.0	0.0	0.0	0.0	4.93
	5	12.9	12.9	12.9	9.7	4.8	0.8	0.0	0.0	0.0	0.0	3.2	0.0	3.59
	6	20.1	19.3	19.3	14.5	8.9	3.2	1.6	0.8	2.4	0.8	0.8	0.0	5.19
	7	11.3	1.6	6.4	6.4	1.6	0.0	0.8	0.0	0.0	0.0	0.0	0.0	2.08
	8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.63
	9	8.0	6.4	5.6	0.8	0.8	0.0	0.8	1.6	3.2	1.6	0.0	0.0	1.47
	10	13.7	10.5	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.98
	11	15.3	14.5	13.7	7.2	0.0	0.8	0.8	0.0	0.0	0.8	3.2	0.0	3.22
	12	10.5	8.0	15.3	16.1	10.5	4.0	0.0	0.0	0.0	0.0	0.0	0.0	3.79
	13	16.9	19.3	22.5	20.9	18.5	6.4	2.4	0.8	0.0	0.0	0.0	0.0	6.37
	14	13.7	16.1	16.1	15.3	12.1	6.4	0.8	0.0	0.8	1.6	0.0	0.0	5.17
	15	16.1	16.1	16.1	12.1	7.2	2.4	0.0	0.0	0.0	0.0	0.0	0.0	3.89
	16	11.3	13.7	14.5	12.9	7.2	0.8	0.0	0.0	0.0	0.0	0.0	0.0	3.05
	17	12.1	11.3	12.1	13.7	9.7	6.4	6.4	4.0	0.8	0.8	0.8	0.8	4.16
	18	11.3	10.5	10.5	8.9	4.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0	2.32
	19	8.9	12.1	12.9	13.7	9.7	3.2	0.0	4.0	3.2	1.6	1.6	0.0	3.45
	20	11.3	11.3	11.3	5.6	3.2	4.0	0.8	0.0	0.0	0.0	0.0	0.0	3.52
	21	7.2	11.3	16.1	13.7	12.9	1.6	0.0	0.0	0.0	0.0	0.0	0.0	3.55
	22	12.9	12.1	12.1	7.2	4.0	2.4	4.0	0.8	0.8	0.0	0.0	0.0	3.01
	23	10.5	12.1	9.7	10.5	4.0	0.8	0.0	0.0	0.0	0.0	0.0	0.0	2.35
	24	8.9	10.5	12.1	9.7	9.7	2.4	0.0	0.0	0.0	0.0	0.0	0.0	2.92
	25	9.7	8.9	9.7	7.2	5.6	3.2	0.8	0.0	0.0	0.0	0.0	0.0	3.18
	26	12.1	11.3	6.4	4.8	1.6	0.8	0.0	0.0	0.0	0.0	0.0	0.0	2.78
	27	5.6	9.7	10.5	7.2	4.8	0.0	1.6	2.4	3.2	2.4	0.8	0.0	2.71
	28	12.9	12.1	12.9	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.11
	29	4.0	9.7	11.3	11.3	8.0	2.4	0.0	0.0	0.0	0.8	8.0	0.8	2.65
	30	6.4	3.2	5.6	6.4	4.8	2.4	0.0	0.0	0.0	0.0	0.0	0.0	2.50
	31	15.3	8.0	9.7	7.2	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.41
Hourly Means.		11.07	11.15	11.77	9.32	5.97	2.09	0.75	0.49	0.52	0.39	0.65	0.05	3.18

SEP 1 1921

BATAVIA 1883. METEOROLOGICAL OBSERVATIONS.

CLOUDS.

CLEAR = 0. — OVERCAST = 10.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
OCTOBER.	1	7	9	7	5	6	10	9	10	8	9	9	10	—
	2	10	9	6	4	6	4	10	10	9	5	6	4	—
	3	8	10	10	10	10	10	8	8	8	7	7	6	—
	4	2	3	3	2	1	1	3	3	1	2	2	2	—
	5	6	3	0	1	2	5	1	1	0	1	2	2	—
	6	3	3	2	3	4	5	3	1	2	1	4	5	—
	7	8	7	6	6	6	7	10	10	10	10	10	10	—
	8	10	10	10	10	10	10	9	8	6	10	10	10	—
	9	10	8	9	10	9	10	10	10	9	9	7	8	—
	10	10	10	10	10	9	9	10	10	10	9	8	7	—
	11	3	4	6	4	2	4	5	6	4	5	7	7	—
	12	6	6	4	6	6	4	9	6	7	6	6	7	—
	13	1	1	2	3	5	7	8	4	2	6	8	9	—
	14	7	5	2	3	2	2	5	3	1	6	7	7	—
	15	7	6	5	5	6	6	2	1	1	2	3	4	—
	16	9	10	8	6	3	7	9	7	3	5	7	7	—
	17	7	10	8	4	6	4	7	6	7	8	6	6	—
	18	3	1	0	0	1	2	4	3	6	6	5	4	—
	19	4	6	6	6	7	7	6	6	6	5	4	4	—
	20	10	10	10	10	10	9	10	10	9	8	7	9	—
	21	2	3	6	4	5	7	7	9	9	9	9	9	—
	22	4	3	2	2	4	2	2	2	4	5	7	6	—
	23	3	3	1	4	6	6	7	7	6	7	8	9	—
	24	1	1	7	2	1	6	7	8	9	9	9	10	—
	25	3	2	1	1	2	5	6	7	7	5	6	7	—
	26	4	2	4	4	1	0	4	5	6	7	6	6	—
	27	7	5	2	4	4	8	7	8	8	9	8	6	—
	28	10	9	9	9	3	4	5	6	6	7	7	8	—
	29	4	3	5	3	3	4	5	6	6	7	7	8	—
	30	6	4	6	6	4	6	6	6	7	7	8	8	—
	31	4	6	4	3	3	5	6	6	7	7	7	7	—
Hourly Means.		5.7	5.5	5.2	4.8	4.7	5.7	6.5	6.2	5.9	6.4	6.7	6.8	—
Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
OCTOBER.	1	8	8	10	9	9	10	10	10	8	10	10	10	8.8
	2	6	3	1	1	7	9	5	9	9	6	8	7	6.4
	3	10	8	6	6	9	10	5	2	1	6	5	3	7.2
	4	4	3	2	4	6	7	8	8	9	10	10	10	4.4
	5	5	3	1	1	2	1	4	3	6	4	5	3	2.6
	6	2	5	3	2	7	9	9	10	10	10	10	10	5.1
	7	10	10	9	9	9	9	9	10	10	10	10	10	9.0
	8	9	9	8	9	10	7	8	5	6	7	10	10	8.8
	9	4	8	9	6	8	10	9	8	8	7	9	9	8.5
	10	7	10	10	10	10	10	8	4	5	4	4	8	8.4
	11	7	3	5	10	10	10	9	7	10	10	10	7	6.5
	12	8	9	7	5	6	6	2	1	1	1	2	2	5.1
	13	8	7	6	6	9	5	7	9	9	9	9	9	6.2
	14	7	7	6	8	9	8	6	5	9	8	6	6	5.6
	15	2	0	1	4	5	6	4	8	8	7	6	9	4.5
	16	2	2	1	2	3	2	5	7	8	5	5	8	5.5
	17	5	7	7	3	5	6	7	3	8	8	8	8	6.4
	18	6	5	8	9	8	6	4	5	5	5	6	2	4.3
	19	9	7	8	9	6	8	7	6	9	8	6	6	6.5
	20	9	9	6	4	9	10	7	5	6	6	7	4	8.1
	21	7	6	7	6	9	9	7	4	3	3	2	1	6.0
	22	4	3	2	2	9	9	10	4	4	2	1	1	3.9
	23	4	7	6	7	7	8	5	4	3	1	2	0	5.0
	24	7	9	7	8	8	8	6	5	4	7	7	4	6.3
	25	7	8	7	6	6	5	5	8	6	5	5	3	5.1
	26	8	7	7	8	6	7	3	7	9	10	8	7	5.7
	27	7	4	4	2	6	8	8	7	9	10	10	10	6.7
	28	7	9	10	10	10	10	10	8	9	8	7	8	7.9
	29	6	5	5	6	6	7	8	5	3	4	5	5	5.3
	30	8	7	7	8	8	7	6	3	2	3	4	3	5.8
	31	4	9	8	3	7	6	5	4	3	1	1	1	4.9
Hourly Means.		6.4	6.4	5.9	5.9	7.4	7.5	6.6	5.9	6.5	6.3	6.4	5.9	6.14

BAROMETRIC PRESSURE.

BAROMETER AT 0° C = 750 MILLIMETRES + THE NUMBERS IN THE TABLE.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
NOVEMBER.	1	8.24	7.81	7.77	7.86	7.97	8.34	8.61	8.96	8.92	8.86	8.35	7.79	—
	2	8.00	7.62	7.44	7.61	7.92	8.28	8.83	9.43	9.20	8.98	8.67	7.69	—
	3	7.79	7.71	7.66	7.74	8.15	8.46	8.81	9.07	9.40	9.38	9.09	8.73	—
	4	8.77	8.50	8.16	8.26	8.77	8.99	9.61	9.95	9.85	9.51	8.93	8.03	—
	5	8.25	7.96	7.79	7.70	7.92	8.30	8.95	9.23	9.42	9.08	8.69	7.89	—
	6	8.35	7.86	8.02	8.04	8.46	8.82	9.27	9.48	9.72	9.47	9.11	8.36	—
	7	8.75	8.45	8.52	8.60	8.90	9.25	9.78	10.42	10.54	9.80	9.08	83.2	—
	8	8.47	8.03	7.95	8.02	8.17	8.41	8.83	9.30	9.26	9.08	8.68	7.92	—
	9	8.01	7.76	7.46	7.47	7.73	8.00	8.42	8.93	9.25	8.97	8.81	8.57	—
	10	8.33	7.75	7.27	7.53	7.65	8.05	8.97	9.43	9.48	9.53	9.60	8.72	—
	11	8.36	7.87	7.62	7.57	7.83	8.19	8.58	8.87	9.00	8.71	8.33	7.75	—
	12	8.06	7.52	7.30	7.36	7.61	8.03	8.46	8.90	9.16	9.20	8.76	8.13	—
	13	8.57	8.14	7.89	7.90	8.05	8.41	8.72	9.30	9.20	8.89	8.73	7.97	—
	14	8.32	7.65	7.31	7.42	7.80	8.07	8.62	8.84	9.11	8.94	8.52	8.10	—
	15	7.76	7.16	6.76	6.84	6.84	7.25	7.85	8.32	8.71	8.43	8.25	7.64	—
	16	6.49	6.11	5.99	6.45	6.61	6.76	7.27	7.42	7.50	7.61	7.11	6.55	—
	17	7.42	6.85	7.01	7.12	7.44	7.71	8.47	8.59	9.00	8.95	8.66	8.11	—
	18	8.82	8.60	8.52	8.30	8.67	8.93	9.42	9.54	9.78	9.63	9.44	8.80	—
	19	9.21	8.92	8.24	8.40	8.71	8.99	9.53	9.63	9.55	9.11	9.15	8.73	—
	20	8.47	79.2	7.17	7.77	8.48	8.83	8.90	9.19	9.19	9.08	8.78	8.20	—
	21	7.77	7.64	7.60	7.26	7.37	7.76	8.28	8.83	9.02	8.91	8.49	7.64	—
	22	7.72	7.39	7.00	6.86	6.87	7.22	7.91	8.27	8.41	8.21	7.85	6.92	—
	23	6.92	6.62	6.34	6.45	7.00	7.61	8.16	8.41	8.79	8.72	8.35	7.76	—
	24	7.47	7.08	6.65	6.60	6.86	7.37	8.11	8.42	8.70	8.29	7.69	7.09	—
	25	7.06	6.90	6.66	6.64	6.95	7.48	8.07	8.47	8.70	8.83	8.24	7.47	—
	26	6.90	6.69	6.46	6.31	6.42	6.94	7.68	7.97	8.15	8.41	8.33	8.01	—
	27	7.61	7.02	6.95	6.86	6.88	7.10	7.72	7.97	8.04	7.93	7.64	6.94	—
	28	7.20	6.70	6.37	6.45	6.76	7.02	7.71	8.08	8.32	8.05	7.77	7.23	—
	29	7.16	6.94	6.79	6.75	6.96	7.47	8.23	8.61	8.66	8.41	7.85	7.39	—
	30	7.88	7.58	7.28	7.28	7.63	7.95	8.70	8.92	8.97	9.01	8.59	7.95	—
Hourly Means.		7.94	7.56	7.33	7.38	7.65	8.00	8.55	8.89	9.03	8.87	8.52	7.88	—
Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
NOVEMBER.	1	7.19	6.43	6.18	5.92	6.47	7.43	8.00	8.30	8.39	8.44	8.50	8.36	7.88
	2	7.08	6.36	6.02	5.97	6.13	7.54	8.34	8.58	8.65	8.69	8.59	8.20	7.91
	3	7.91	7.28	6.81	6.64	7.26	8.14	8.81	9.31	9.71	9.92	9.78	9.28	8.45
	4	7.53	7.12	6.87	6.78	7.34	7.59	7.81	8.49	8.98	9.31	9.13	8.63	8.45
	5	7.23	6.71	6.56	6.81	8.03	9.33	9.22	9.18	9.67	9.72	9.24	8.82	8.40
	6	7.72	6.99	7.06	6.63	7.34	8.22	9.07	9.25	9.78	9.80	9.84	9.48	8.59
	7	7.70	7.32	6.90	7.47	7.98	9.30	9.24	9.69	9.81	9.93	9.38	9.21	8.93
	8	7.38	6.67	6.22	6.19	6.80	7.49	8.49	8.79	9.37	9.29	9.05	8.65	8.19
	9	8.09	7.61	7.11	7.11	7.49	8.25	8.69	9.10	9.50	9.64	9.45	8.88	8.35
	10	8.17	7.44	7.04	6.91	7.24	7.86	8.44	8.76	9.02	9.41	9.07	8.83	8.35
	11	7.07	6.63	6.27	6.22	6.49	7.54	8.03	8.50	8.89	9.05	8.87	8.54	7.95
	12	7.19	6.50	6.20	6.37	6.72	7.63	7.73	8.42	8.97	9.16	9.70	8.89	8.00
	13	7.17	6.43	5.86	5.99	6.66	7.23	7.95	8.93	9.42	9.47	9.11	8.65	8.11
	14	7.54	6.97	6.71	6.66	7.13	7.46	7.96	8.44	8.85	8.77	8.69	8.14	8.00
	15	6.88	6.03	5.89	5.83	6.75	6.58	6.69	7.10	7.74	7.80	7.47	7.36	7.25
	16	6.00	5.68	5.62	5.57	5.78	6.16	6.58	7.10	7.66	7.94	7.85	7.60	6.73
	17	7.31	6.62	6.53	6.53	6.89	7.53	8.13	8.48	8.83	9.40	9.24	9.25	7.92
	18	8.14	7.42	7.09	7.01	7.86	8.52	8.86	9.44	9.83	9.93	9.74	9.54	8.83
	19	7.83	6.97	6.98	6.85	7.50	8.24	8.88	9.16	9.22	9.39	9.24	9.09	8.65
	20	7.56	7.33	6.95	7.11	7.39	7.88	8.29	8.56	8.57	8.44	8.35	8.11	8.19
	21	7.29	6.59	6.15	6.35	6.61	7.35	7.70	8.22	8.74	9.01	8.97	8.40	7.83
	22	5.79	5.22	4.87	5.45	6.44	6.76	7.51	7.82	7.94	8.04	7.89	7.39	7.16
	23	6.89	6.39	5.89	6.01	6.34	6.95	7.59	8.02	8.18	8.18	8.07	7.72	7.39
	24	6.49	5.98	5.47	5.23	5.53	6.19	7.00	7.69	7.75	7.79	7.66	7.25	7.10
	25	6.83	6.31	5.63	5.51	5.58	6.37	6.87	7.35	7.91	8.05	7.84	7.57	7.22
	26	7.65	6.89	6.67	6.76	6.67	7.34	7.92	8.44	9.14	8.80	8.26	8.14	7.54
	27	6.24	5.56	5.20	5.41	6.09	7.44	7.33	7.81	8.15	8.07	8.10	7.66	7.16
	28	6.52	5.79	5.33	5.08	5.34	6.14	6.89	7.19	7.64	7.90	7.75	7.51	6.95
	29	7.01	6.21	5.59	6.03	6.22	6.69	7.36	8.02	8.70	8.85	8.82	8.49	7.47
	30	7.55	6.91	6.76	6.54	7.22	7.80	8.64	9.05	9.50	9.69	9.45	9.21	8.17
Hourly Means.		7.23	6.61	6.28	6.30	6.78	7.50	8.00	8.44	8.82	8.93	8.77	8.43	7.90

STANDARD THERMOMETER.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
NOVEMBER.	1	75.8	75.3	75.0	74.2	73.5	73.0	75.3	78.7	82.0	84.5	86.7	86.6	—
	2	74.4	74.0	73.8	73.6	73.4	73.2	74.6	78.0	81.7	84.6	86.5	88.5	—
	3	75.5	75.0	74.6	74.8	74.8	74.3	75.7	79.5	82.0	83.6	85.7	86.4	—
	4	75.5	75.8	75.6	75.2	74.6	74.2	75.6	79.3	82.5	84.5	86.7	88.7	—
	5	76.3	76.3	75.8	75.4	74.9	74.7	76.5	79.9	83.0	83.6	86.0	87.7	—
	6	74.7	74.6	74.3	73.8	73.3	73.0	74.5	77.1	80.4	83.2	84.5	85.7	—
	7	75.4	75.2	74.6	74.6	74.6	74.9	75.5	76.4	75.5	78.0	80.6	83.0	—
	8	73.8	73.8	74.0	74.2	74.5	74.7	75.5	77.2	79.7	82.3	84.0	84.1	—
	9	73.9	74.0	73.6	73.2	73.4	73.4	74.2	77.0	80.0	80.5	80.8	75.7	—
	10	74.3	73.9	73.6	73.3	73.4	73.6	74.8	76.0	78.0	78.3	76.5	74.8	—
	11	73.0	72.6	72.6	72.4	73.0	72.5	74.5	77.3	80.2	82.2	83.8	84.5	—
	12	75.8	75.3	74.9	74.3	74.0	73.8	75.5	78.5	81.2	82.7	81.6	83.8	—
	13	73.7	73.3	73.3	73.5	73.5	73.5	74.7	77.3	78.7	81.6	83.8	85.0	—
	14	77.1	76.6	76.4	76.0	75.5	75.0	76.4	78.6	81.0	82.5	84.0	84.5	—
	15	77.2	76.8	76.4	75.8	76.0	75.8	76.7	78.1	81.0	84.0	83.8	81.2	—
	16	75.6	75.0	74.8	74.6	74.6	74.4	75.1	77.1	79.6	80.6	82.6	82.9	—
	17	75.2	74.9	74.6	74.1	73.9	73.9	74.7	76.5	79.9	82.3	84.6	85.4	—
	18	74.6	74.2	73.8	73.2	72.7	72.5	73.9	76.8	80.0	83.0	85.4	84.8	—
	19	75.6	75.4	75.1	74.8	74.5	74.6	75.0	75.2	75.3	77.6	79.6	80.8	—
	20	74.0	73.8	73.6	73.6	73.6	73.6	74.4	77.0	80.3	82.6	83.2	85.0	—
	21	74.0	74.0	73.8	73.4	73.0	72.6	73.6	76.0	78.5	80.3	81.0	81.6	—
	22	73.9	73.9	73.9	73.7	73.5	73.5	74.3	76.0	79.0	80.0	81.2	82.0	—
	23	73.8	74.0	73.6	73.5	73.8	74.0	74.2	75.0	75.9	75.0	76.3	78.5	—
	24	73.5	73.4	73.3	73.1	72.9	73.0	74.5	76.6	79.6	82.2	84.4	85.8	—
	25	75.8	75.4	75.0	74.9	74.0	73.8	75.8	79.0	81.9	83.0	84.0	83.5	—
	26	76.0	75.7	75.6	75.2	75.0	75.0	76.2	78.5	81.6	81.5	78.9	76.6	—
	27	74.4	73.9	73.6	73.4	73.0	73.0	73.8	76.7	79.9	82.0	83.3	84.1	—
	28	73.8	73.4	73.4	72.8	72.6	72.4	73.8	75.7	78.5	81.4	82.8	83.5	—
	29	74.6	74.4	74.6	74.1	73.5	73.2	74.6	77.5	79.9	82.7	84.8	85.6	—
	30	74.2	73.9	73.6	73.6	73.6	73.5	74.7	77.6	78.9	81.3	83.6	84.5	—
Hourly Means.		74.85	74.59	74.36	74.08	73.89	73.75	74.95	77.34	79.86	81.72	83.02	83.49	—
Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
NOVEMBER.	1	85.4	85.4	84.5	83.1	83.1	80.8	79.1	78.5	77.4	75.8	75.3	74.6	79.32
	2	86.2	86.2	85.9	85.3	84.2	83.2	81.2	77.7	77.0	76.7	76.7	76.0	79.69
	3	86.0	85.7	85.5	85.2	84.5	82.7	80.9	79.4	77.9	76.8	76.0	75.5	79.92
	4	86.6	86.2	84.5	83.6	83.1	82.5	81.4	80.1	78.8	78.3	78.0	77.2	80.35
	5	87.5	87.7	86.4	84.2	80.4	73.0	74.5	74.5	74.7	74.7	74.5	74.7	79.04
	6	85.2	85.8	84.6	84.4	82.4	80.3	78.3	76.1	75.9	75.7	75.1	75.1	78.67
	7	82.4	81.5	81.9	81.4	80.9	75.5	73.9	74.1	74.1	74.1	73.7	74.0	76.91
	8	81.5	82.5	82.5	83.0	81.6	80.5	74.9	74.2	74.0	74.0	73.6	73.9	77.67
	9	74.7	75.7	76.0	77.4	77.1	76.7	76.2	75.5	75.2	74.6	74.5	74.5	75.74
	10	74.8	74.9	76.7	77.4	77.4	76.7	75.9	75.5	74.9	74.4	74.0	73.5	75.28
	11	83.4	82.3	80.4	80.8	80.2	79.2	78.5	78.0	77.5	77.2	76.8	76.3	77.88
	12	83.6	82.5	82.3	82.6	80.9	77.9	77.1	76.7	76.3	75.9	73.8	73.9	78.12
	13	86.0	86.3	86.0	84.8	82.8	81.0	79.9	78.7	77.6	77.5	77.0	77.6	79.05
	14	85.0	85.9	83.2	80.5	79.3	78.8	78.2	77.8	77.6	77.2	77.2	77.5	79.24
	15	84.5	84.6	82.0	81.5	79.6	78.8	78.2	77.9	77.5	77.0	76.7	76.0	79.05
	16	83.6	82.7	78.0	78.6	77.8	77.3	77.0	76.8	76.6	76.1	76.0	75.8	77.63
	17	86.5	86.5	85.6	85.0	82.5	80.8	79.6	78.6	77.7	76.9	75.7	75.3	79.20
	18	86.0	86.1	85.1	84.3	83.4	80.0	77.5	77.2	76.6	76.8	76.5	76.0	78.77
	19	82.3	84.0	81.9	79.0	79.8	79.1	77.1	76.0	75.1	74.8	74.4	74.2	77.13
	20	82.8	78.8	78.7	78.7	76.7	75.9	75.2	75.0	75.0	75.0	75.0	74.8	76.93
	21	78.2	79.4	79.7	79.6	79.3	78.5	77.8	77.4	76.0	74.8	74.8	74.6	76.75
	22	84.7	82.6	81.5	80.5	73.0	72.6	73.1	73.5	73.3	73.4	73.6	73.7	76.27
	23	79.0	77.8	78.2	78.2	77.4	76.8	75.6	74.9	74.6	74.3	73.6	73.6	75.48
	24	87.2	84.9	85.4	85.1	84.4	82.6	80.8	79.2	78.4	77.2	76.7	76.2	79.18
	25	84.0	84.6	84.8	84.4	83.4	82.6	81.3	79.6	78.5	78.0	77.3	76.9	79.65
	26	77.0	78.0	78.6	78.9	78.1	77.4	77.0	76.6	76.2	75.6	75.4	75.2	77.08
	27	84.5	84.6	84.3	83.0	82.0	75.5	74.4	74.0	73.3	73.3	73.5	73.6	77.38
	28	84.8	84.3	84.3	84.0	83.2	81.9	80.1	78.2	77.2	76.3	75.5	75.0	78.29
	29	84.4	84.8	84.4	81.8	76.8	76.6	76.6	76.6	75.4	75.0	75.0	74.7	77.98
	30	85.4	83.7	82.5	82.0	81.0	80.1	78.4	77.2	75.7	75.4	75.2	75.0	78.11
Hourly Means.		83.44	83.20	82.51	81.94	80.54	78.84	77.66	76.85	76.20	75.76	75.37	75.16	78.06

RELATIVE HUMIDITY OF THE AIR.

SATURATION = 1000.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
N O V E M B E R.	1	923	922	930	939	938	937	914	854	750	689	652	652	—
	2	913	912	921	912	929	920	922	853	749	696	670	634	—
	3	872	880	879	863	855	862	856	824	758	735	641	600	—
	4	872	864	881	889	904	904	848	771	682	663	602	569	—
	5	882	882	881	898	879	879	842	795	691	686	624	588	—
	6	965	956	947	956	955	964	947	924	818	704	702	655	—
	7	914	914	930	913	939	939	966	932	914	791	782	745	—
	8	965	956	956	956	973	973	957	907	848	729	707	707	—
	9	965	965	965	973	965	965	965	924	841	797	790	915	—
	10	956	965	965	965	973	965	965	948	884	877	891	930	—
	11	965	955	937	929	929	973	956	900	818	743	666	709	—
	12	940	948	939	947	938	938	905	814	733	703	770	727	—
	13	947	956	956	956	965	956	959	851	800	749	687	652	—
	14	788	817	833	849	889	897	882	838	761	737	648	630	—
	15	796	795	802	808	777	801	826	814	761	675	700	835	—
	16	905	914	905	913	922	922	880	819	742	812	717	690	—
	17	898	905	897	887	887	896	904	874	795	701	669	628	—
	18	838	853	877	886	902	902	887	811	714	651	604	625	—
	19	931	914	930	922	939	930	922	930	939	900	840	798	—
	20	947	947	938	938	938	938	947	875	804	751	718	665	—
	21	947	956	956	956	955	964	947	890	800	781	776	735	—
	22	956	956	965	965	965	965	965	923	878	856	799	736	—
	23	965	956	973	973	973	982	982	974	940	939	906	838	—
	24	938	946	938	937	937	946	930	882	824	708	681	661	—
	25	915	915	922	922	930	929	889	823	736	677	680	725	—
	26	932	931	948	948	939	947	932	808	728	749	847	891	—
	27	947	947	965	956	964	946	938	891	810	715	713	701	—
	28	956	956	946	955	955	955	965	923	837	726	710	725	—
	29	897	904	904	912	920	929	904	836	787	717	690	635	—
	30	921	930	930	921	921	947	913	751	763	741	773	668	—
Hourly Means.		919	921	924	925	929	932	920	865	797	747	719	709	—
Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
N O V E M B E R.	1	666	685	695	746	774	804	771	799	819	864	880	904	813
	2	683	643	655	672	715	753	798	790	819	826	842	856	795
	3	642	641	654	627	642	696	753	778	797	826	848	864	766
	4	638	642	695	734	732	751	776	825	854	869	868	875	780
	5	606	588	643	728	673	903	921	956	956	956	956	956	807
	6	672	668	696	695	786	841	861	899	931	931	914	922	846
	7	729	762	735	755	775	922	929	947	956	956	973	965	878
	8	784	751	759	732	784	811	930	947	956	956	956	956	873
	9	947	948	940	900	916	940	957	940	948	956	956	956	931
	10	939	957	932	917	917	940	948	957	956	965	956	965	943
	11	705	729	803	789	759	785	846	884	892	907	916	932	851
	12	726	737	758	744	804	820	834	833	841	848	938	947	839
	13	624	619	611	651	675	704	722	732	767	765	764	759	784
	14	600	610	684	730	740	740	753	744	729	735	765	759	757
	15	728	687	778	741	809	815	829	829	836	851	866	881	793
	16	659	724	908	838	844	851	851	834	842	882	881	881	839
	17	631	638	661	651	729	761	765	815	836	851	832	831	789
	18	605	580	645	675	719	766	900	907	932	924	916	931	794
	19	773	694	757	863	840	886	900	881	914	930	939	917	884
	20	774	886	918	918	916	923	939	956	947	947	947	939	892
	21	901	855	848	840	878	885	917	941	881	930	939	930	892
	22	690	730	762	788	920	946	955	956	973	965	956	956	897
	23	823	844	846	869	867	851	840	871	879	896	929	929	910
	24	597	676	678	632	655	722	790	847	869	892	891	906	812
	25	735	695	702	715	775	801	836	863	878	901	907	907	824
	26	891	852	854	854	893	941	949	940	948	957	948	939	899
	27	631	615	668	710	735	880	913	938	946	946	946	956	850
	28	703	668	675	700	732	785	841	853	867	890	905	897	839
	29	695	709	702	736	867	891	941	907	915	914	897	913	838
	30	634	685	688	715	740	781	807	851	873	905	898	914	815
Hourly Means.		714	718	745	756	787	830	859	874	885	898	904	909	841

DIRECTION OF THE WIND.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12
NOVEMBER.	1	C	C	C	C	C	C	C	NNE	NNE	NNE	NE	NE
	2	C	C	C	C	C	C	C	C	NNE	NE	E	E
	3	C	C	C	C	C	C	NNE	C	NNE	NNE	NNE	NNE
	4	C	C	C	C	C	C	NNE	NNE	NNE	NNE	NNE	NNE
	5	C	NNE	C	C	C	C	NNE	NNE	NNE	NNE	NNE	NNE
	6	C	C	C	C	C	C	C	C	S	SSE	SE	SE
	7	C	C	C	C	C	C	C	NE	NE	C	NE	NE
	8	C	C	C	C	C	C	C	E	E	E	ESE	ESE
	9	C	C	C	C	C	C	C	SE	SE	SE	ESE	ESE
	10	C	C	C	C	C	C	C	C	C	C	NE	C
	11	C	C	C	C	C	C	C	NE	NE	ENE	ENE	ENE
	12	C	C	C	C	C	C	N	N	N	N	NNE	NNE
	13	C	C	C	C	C	C	C	C	N	NNW	NW	NW
	14	C	C	C	C	C	C	W	W	W	W	W	WSW
	15	WSW	C	C	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	W
	16	C	W	C	C	W	W	W	W	W	W	WNW	WNW
	17	W	W	W	W	W	W	W	W	W	W	WNW	NW
	18	C	C	C	C	C	C	C	C	WNW	WNW	WNW	NW
	19	C	C	C	C	C	C	C	C	N	N	N	N
	20	C	C	C	C	C	C	C	C	NE	NE	NE	NE
	21	C	C	C	C	C	C	C	C	C	C	C	ENE
	22	C	C	C	C	C	C	C	C	C	C	ENE	ENE
	23	C	C	C	C	C	C	C	C	SSE	ESE	ESE	E
	24	C	C	C	C	C	C	C	C	ESE	ESE	E	ESE
	25	C	C	C	C	C	C	C	C	ENE	ENE	ENE	NNE
	26	C	C	C	C	C	C	NE	NE	NE	NE	NE	NE
	27	C	C	C	C	C	C	C	C	C	NE	NE	NE
	28	C	C	C	C	C	C	C	C	C	S	S	S
	29	C	C	C	C	C	C	C	NNE	C	C	NNE	NNE
	30	C	C	C	C	C	C	C	C	NNE	NNE	NE	NE
Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12
NOVEMBER.	1	NE	N	NNE	NNE	NNE	NNE	NNE	C	C	C	C	C
	2	NE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	C	C	C	C
	3	NNE	NNE	N	N	NNE	NNE	NNE	C	C	C	C	C
	4	NNE	NNE	NNE	NNE	NNE	NNE	C	C	C	C	C	NNE
	5	NNE	N	N	NNE	E	S	S	C	C	C	C	C
	6	NNE	NNE	NNE	NE	NE	NE	NE	C	C	C	C	NE
	7	NE	NE	NE	NE	NE	E	C	C	C	C	C	C
	8	NE	NE	NE	NE	NE	NE	NE	NE	SE	C	C	C
	9	ENE	ENE	ENE	C	C	C	C	C	C	C	C	C
	10	C	C	C	C	C	C	C	C	C	C	C	C
	11	NE	NNE	N	N	N	N	C	C	C	C	C	C
	12	NNE	NNE	NNE	NNE	NNE	NNE	C	C	C	NNE	N	C
	13	NW	NW	NW	NW	WNW	WNW	WNW	WNW	W	W	W	W
	14	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW
	15	W	WNW	W	W	W	W	W	W	W	W	W	W
	16	WNW	W	WSW	WSW	W	W	W	W	W	W	W	W
	17	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	C	C	WNW	C
	18	NNW	N	N	N	N	N	N	N	C	C	C	C
	19	N	N	NE	NE	C	NE	NE	C	C	C	C	C
	20	NNE	ENE	ENE	C	C	C	C	C	C	C	C	C
	21	ENE	ENE	ENE	C	C	C	C	C	ENE	C	C	C
	22	ENE	NE	NE	NE	S	C	C	C	C	C	C	C
	23	E	E	E	E	E	ESE	ESE	ESE	ESE	C	ESE	C
	24	E	NE	NE	ENE	ENE	ENE	C	C	C	C	C	C
	25	NNE	NNE	NNE	NE	NE	NE	C	C	C	C	C	C
	26	NE	NE	NE	C	C	C	C	C	C	C	C	C
	27	NNE	N	N	N	N	S	S	S	C	C	C	C
	28	S	ENE	NE	NNE	NNE	C	NNE	C	C	C	C	C
	29	NNE	NNE	N	N	C	C	N	NNE	C	C	C	C
	30	NE	NE	NE	NE	NE	NE	NE	NE	C	C	C	C

VELOCITY OF THE WIND IN KILOMETERS PER HOUR.

Mean Batavia Time.		1 A.M.	2	3	4	5	6	7	8	9	10	11	12	—
NOVEMBER.	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.6	3.2	6.4	11.3	—
	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	4.0	4.8	8.0	—
	3	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.0	0.8	1.6	4.8	1.6	—
	4	0.0	0.0	0.0	0.0	0.0	0.0	1.6	4.8	3.2	3.2	4.8	4.8	—
	5	0.0	0.8	0.0	0.0	0.0	0.0	0.8	1.6	1.6	0.8	0.8	6.4	—
	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	4.0	4.0	8.0	—
	7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	0.0	1.6	3.2	—
	8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.6	8.0	8.9	9.7	—
	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	4.0	4.8	5.6	0.8	—
	10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	—
	11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.6	1.6	1.6	8.9	—
	12	0.0	0.0	0.0	0.0	0.0	0.0	1.6	2.4	0.8	6.4	12.1	6.4	—
	13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	4.0	4.0	5.6	—
	14	0.0	0.0	0.0	0.0	0.0	0.0	0.8	2.4	5.6	7.2	8.0	9.7	—
	15	0.8	0.0	0.0	1.6	2.4	3.2	2.4	1.6	6.4	8.0	11.3	9.7	—
	16	0.0	0.8	0.0	0.0	0.8	4.0	4.0	6.4	5.6	6.4	9.7	12.1	—
	17	2.4	0.8	1.6	1.6	0.8	0.8	0.8	0.8	1.6	3.2	5.6	11.3	—
	18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	3.2	4.8	6.4	—
	19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	1.6	—
	20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	0.8	0.8	2.4	—
	21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.8	—
	22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	0.8	—
	23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	6.4	8.0	11.3	—
	24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	6.4	9.7	8.0	—
	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	7.2	10.5	9.7	—
	26	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	4.8	12.1	14.5	4.0	—
	27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	3.2	—
	28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.6	4.8	—
	29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	0.0	0.0	0.8	0.8	—
	30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	2.4	4.0	4.0	—
Hourly Means.		0.11	0.08	0.05	0.11	0.13	0.27	0.45	0.96	2.03	3.60	5.22	5.98	—
Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
NOVEMBER.	1	12.9	13.7	14.5	4.8	1.6	1.6	0.8	0.0	0.0	0.0	0.0	0.0	3.05
	2	12.1	11.3	14.5	15.3	11.3	0.8	2.4	1.6	0.0	0.0	0.0	0.0	3.69
	3	6.4	9.7	6.4	7.2	4.8	1.6	0.0	0.0	0.0	0.0	0.0	0.0	1.90
	4	12.1	12.1	12.9	9.7	5.6	0.8	0.0	0.0	0.0	0.0	0.0	0.8	3.18
	5	11.3	7.2	12.9	12.1	10.5	8.0	0.8	0.0	0.0	0.0	0.0	0.0	3.15
	6	8.9	9.7	15.3	14.5	1.6	2.4	5.6	0.0	0.0	0.0	0.0	0.8	3.28
	7	12.9	13.7	11.3	3.2	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0	2.18
	8	8.0	10.5	12.1	9.7	3.2	3.2	4.8	2.4	3.2	0.0	0.0	0.0	3.59
	9	3.2	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.93
	10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.17
	11	13.7	14.5	14.5	10.5	5.6	0.8	0.0	0.0	0.0	0.0	0.0	0.0	3.09
	12	9.7	9.7	8.0	1.6	1.6	0.8	0.0	0.0	0.0	0.8	2.4	0.0	2.68
	13	2.4	1.6	2.4	3.2	4.0	1.6	1.6	4.8	4.8	4.0	1.6	1.6	2.03
	14	8.0	9.7	8.9	8.9	6.4	6.4	5.6	3.2	0.8	0.8	1.6	2.4	4.02
	15	8.0	8.9	7.2	6.4	4.0	4.0	3.2	4.8	4.8	3.2	0.8	0.8	4.31
	16	8.9	6.4	2.4	7.2	4.8	2.4	1.6	3.2	2.4	1.6	0.8	1.6	3.88
	17	11.3	8.0	8.9	12.1	6.4	3.2	2.4	1.6	0.0	0.0	0.8	0.0	3.58
	18	8.0	11.3	11.3	9.7	6.4	1.6	0.8	2.4	0.0	0.0	0.0	0.0	2.81
	19	1.6	3.2	7.2	0.8	0.0	0.8	1.6	0.0	0.0	0.0	0.0	0.0	0.80
	20	12.9	7.2	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.10
	21	3.2	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.43
	22	5.6	8.9	5.6	0.8	10.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.41
	23	8.9	10.5	8.0	4.8	8.0	9.7	10.5	4.8	0.8	0.0	0.8	0.0	3.95
	24	12.1	8.0	6.4	14.5	9.7	4.0	0.0	0.0	0.0	0.0	0.0	0.0	3.35
	25	4.8	5.6	7.2	10.5	8.0	2.4	0.0	0.0	0.0	0.0	0.0	0.0	2.88
	26	0.8	1.6	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.68
	27	10.5	9.7	11.3	8.0	5.6	12.9	0.8	0.8	0.0	0.0	0.0	0.0	2.75
	28	8.9	9.7	9.7	8.9	3.2	0.0	0.8	0.0	0.0	0.0	0.0	0.0	2.02
	29	4.0	6.4	6.4	1.6	0.0	0.0	0.8	1.6	0.0	0.0	0.0	0.0	1.00
	30	5.6	12.1	12.9	12.1	4.0	1.6	3.2	2.4	0.0	0.0	0.0	0.0	2.71
Hourly Means.		7.89	8.08	8.05	6.60	4.28	2.41	1.58	1.12	0.59	0.35	0.29	0.27	2.52

CLOUDS

CLEAR = 0. OVERCAST = 10.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
NOVEMBER.	1	2	1	2	0	1	1	4	6	6	7	7	7	—
	2	2	1	2	2	3	4	5	6	6	7	8	8	—
	3	7	6	7	7	4	4	5	5	6	7	7	7	—
	4	6	9	9	7	5	5	5	5	6	7	7	7	—
	5	2	3	1	1	3	2	4	5	6	7	7	7	—
	6	4	3	3	2	2	6	6	6	7	7	8	8	—
	7	8	10	6	7	10	10	5	5	6	6	7	7	—
	8	9	9	9	10	10	10	6	6	6	6	7	7	—
	9	10	10	10	9	9	9	5	5	6	7	9	10	—
	10	5	3	4	6	7	9	6	6	8	8	9	9	—
	11	4	6	5	4	6	4	5	6	6	6	7	7	—
	12	8	5	5	3	6	8	6	6	7	7	7	8	—
	13	10	9	10	10	9	7	7	6	6	7	7	7	—
	14	9	8	8	7	5	6	6	6	6	7	7	7	—
	15	4	3	8	10	10	8	10	9	8	8	9	7	—
	16	8	6	8	8	10	9	5	4	6	10	6	9	—
	17	9	9	10	10	10	10	10	8	7	7	5	6	—
	18	7	8	8	9	9	9	2	1	3	2	6	8	—
	19	4	8	5	4	8	9	8	9	8	7	7	7	—
	20	6	4	2	10	10	4	7	6	7	7	9	9	—
	21	6	8	8	5	7	9	4	3	4	6	8	10	—
	22	10	10	10	9	10	10	8	7	9	9	8	6	—
	23	9	10	10	9	8	8	10	10	10	10	10	10	—
	24	10	9	7	6	7	8	8	7	6	6	7	7	—
	25	7	8	4	4	5	2	6	8	8	9	9	7	—
	26	2	4	2	3	5	10	2	4	2	10	10	10	—
	27	6	5	6	6	7	7	6	4	4	3	4	5	—
	28	9	10	10	10	9	8	4	4	3	5	7	6	—
	29	3	2	4	1	1	5	6	6	7	7	8	8	—
	30	8	6	7	4	4	6	8	7	7	6	7	6	—
Hourly Means.		6.5	6.4	6.3	6.1	6.7	6.9	6.0	5.9	6.2	6.9	7.5	7.6	—
Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
NOVEMBER.	1	9	9	9	8	9	8	7	6	4	3	2	1	5.0
	2	2	4	3	2	1	2	6	9	10	10	10	9	5.1
	3	6	7	4	5	8	4	5	2	1	3	3	4	5.1
	4	4	7	9	10	8	6	4	1	5	8	6	2	6.2
	5	7	7	9	9	10	10	10	10	10	9	10	10	6.6
	6	7	8	9	9	9	7	9	10	9	7	9	7	6.8
	7	9	8	8	9	10	10	10	10	10	10	10	10	8.4
	8	8	7	6	4	10	10	10	10	10	10	10	9	8.3
	9	10	10	10	10	10	10	8	6	4	5	4	4	7.9
	10	10	10	9	9	9	8	9	8	6	4	4	3	7.0
	11	10	10	9	7	8	10	9	9	9	9	9	7	7.2
	12	6	7	8	9	10	10	10	10	10	10	10	10	7.8
	13	8	8	9	9	9	9	8	6	6	4	3	2	7.3
	14	8	8	9	9	10	10	8	9	9	9	9	10	7.9
	15	7	8	8	9	10	10	7	9	10	10	8	7	8.2
	16	9	9	10	9	10	10	9	9	10	10	10	10	8.5
	17	1	2	7	4	6	6	5	4	4	6	7	7	6.7
	18	5	4	4	3	8	10	8	7	6	4	6	2	5.8
	19	7	7	10	10	9	9	10	9	9	8	6	6	7.7
	20	9	10	9	8	9	9	9	10	10	10	10	8	8.0
	21	9	8	8	9	8	7	8	9	10	10	10	10	7.7
	22	8	9	10	10	10	10	10	10	10	10	9	8	9.2
	23	10	10	10	10	10	10	10	10	10	8	10	10	9.7
	24	8	7	7	8	7	6	7	6	6	7	7	7	7.1
	25	7	7	6	6	7	7	4	5	3	2	2	1	5.6
	26	10	10	9	10	10	10	10	10	10	10	10	10	7.6
	27	10	5	4	9	10	10	10	10	10	8	6	7	6.8
	28	4	4	4	3	3	5	8	4	5	6	3	4	5.8
	29	7	7	7	10	10	10	10	9	7	6	7	7	6.5
	30	7	7	8	7	8	8	8	9	9	7	3	7	6.8
Hourly Means.		7.4	7.5	7.7	7.8	8.5	8.4	8.2	7.9	7.7	7.4	7.1	6.6	7.13

BAROMETRIC PRESSURE.

BAROMETER AT 0°C = 750 MILLIMETRES + THE NUMBERS IN THE TABLE.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
D E C E M B E R.	1	8.62	8.10	7.78	7.72	8.00	8.44	8.84	9.10	9.12	8.95	8.63	8.20	—
	2	8.49	8.00	8.22	8.15	8.32	8.80	9.16	9.50	9.64	9.49	9.09	8.56	—
	3	8.09	7.76	7.59	7.30	7.80	8.36	9.13	9.79	9.75	9.80	9.36	8.98	—
	4	8.76	8.62	8.44	8.22	8.54	8.97	9.46	9.88	10.02	9.70	9.37	8.78	—
	5	8.95	8.51	8.51	8.77	8.87	9.55	9.95	10.43	10.63	10.26	9.88	9.16	—
	6	8.90	8.70	8.40	8.51	9.00	9.34	10.20	10.29	10.34	10.42	9.94	9.63	—
	7	8.97	8.81	8.72	8.60	8.92	9.36	9.68	10.00	10.19	10.05	9.49	9.31	—
	8	8.74	8.50	8.64	8.48	8.86	9.22	9.78	10.11	10.18	10.29	9.89	9.43	—
	9	9.15	9.02	8.82	8.67	8.92	9.28	9.66	9.93	10.38	10.12	9.72	9.38	—
	10	9.88	9.74	9.01	9.11	9.45	9.76	10.11	10.94	11.20	11.17	10.87	10.31	—
	11	9.84	9.47	9.05	9.11	9.45	10.01	10.78	11.34	11.43	11.24	10.69	10.26	—
	12	10.74	10.46	10.08	10.04	10.36	10.93	11.14	11.48	11.80	11.95	11.60	10.83	—
	13	9.99	9.75	9.46	9.40	9.70	10.05	10.63	11.01	11.43	11.31	10.84	10.60	—
	14	10.43	10.08	9.58	9.48	9.69	10.10	10.65	10.84	11.26	10.88	10.52	10.07	—
	15	9.86	9.35	9.21	9.32	9.45	9.94	10.19	10.63	10.89	10.85	10.65	9.98	—
	16	10.03	9.55	9.26	9.33	9.54	10.04	10.81	11.32	11.63	11.41	11.39	11.26	—
	17	11.00	10.56	10.42	10.29	10.65	11.21	11.67	12.10	12.21	11.88	11.25	10.74	—
	18	10.89	10.60	10.43	10.13	10.29	10.80	11.30	11.53	11.65	11.20	10.32	9.88	—
	19	10.00	9.65	9.33	9.59	9.82	10.00	10.35	10.70	10.56	10.34	9.99	9.58	—
	20	10.01	9.16	9.01	9.01	9.11	9.52	9.90	9.92	9.99	10.25	10.17	9.78	—
	21	9.84	9.31	8.96	9.18	9.49	10.05	10.64	11.00	11.33	11.30	10.75	10.14	—
	22	10.64	10.60	10.61	10.23	10.24	10.69	11.34	11.44	11.70	11.74	11.51	11.05	—
	23	10.38	9.84	9.49	9.22	9.71	10.03	10.53	10.75	10.76	10.49	9.93	9.23	—
	24	9.25	8.91	8.33	8.34	8.81	9.42	9.81	9.76	9.96	9.94	9.44	8.91	—
	25	8.66	8.46	8.33	8.51	8.72	9.13	9.67	10.32	10.46	10.35	10.03	9.29	—
	26	9.43	9.10	8.88	8.63	9.22	9.67	10.10	10.32	10.63	10.26	9.99	9.50	—
	27	9.90	9.75	9.59	9.45	9.66	10.19	10.67	10.90	10.64	10.75	10.48	9.84	—
	28	10.39	10.04	9.46	9.66	10.13	10.44	10.96	11.59	12.05	11.96	11.80	11.25	—
	29	10.53	10.29	9.95	10.11	10.53	11.03	11.55	11.75	11.93	11.88	11.52	10.98	—
	30	10.29	9.93	9.90	10.11	10.68	10.91	11.38	11.58	11.65	11.64	11.24	11.14	—
	31	10.76	10.39	9.85	10.06	10.33	10.49	10.90	11.14	11.37	11.09	10.72	10.23	—
Hourly Means.		9.72	9.39	9.14	9.12	9.43	9.86	10.35	10.69	10.86	10.74	10.36	9.88	—
Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
D E C E M B E R.	1	7.45	6.91	6.32	6.33	6.46	6.67	7.49	8.53	8.90	9.19	9.27	8.96	8.08
	2	8.12	7.39	6.84	6.54	7.03	7.29	8.13	8.65	8.98	9.42	9.25	8.79	8.41
	3	8.29	7.66	7.21	7.17	7.44	7.89	8.50	8.86	9.27	9.44	9.21	8.81	8.48
	4	8.11	7.32	6.98	7.08	7.48	8.52	9.04	9.48	9.63	9.69	9.77	9.48	8.81
	5	8.36	7.70	7.52	7.43	8.33	9.16	10.01	10.34	10.42	10.47	10.12	9.67	9.29
	6	9.03	8.53	8.08	7.81	8.28	9.01	9.71	9.79	9.89	10.02	9.74	9.20	9.28
	7	8.94	8.42	7.92	7.59	7.88	8.52	9.05	9.62	10.00	10.00	9.75	9.33	9.13
	8	8.79	7.86	7.86	7.93	8.62	9.11	9.52	9.98	10.44	10.32	10.35	9.75	9.28
	9	8.96	8.37	7.96	7.96	8.21	8.58	9.01	9.64	10.03	10.28	10.12	9.94	9.25
	10	9.46	8.66	8.26	8.02	8.69	9.14	9.86	10.58	10.95	11.00	10.83	10.27	9.89
	11	9.48	9.49	8.85	8.62	8.87	9.82	10.43	10.83	11.17	11.47	11.60	11.11	10.18
	12	10.33	9.68	9.10	8.97	9.38	9.79	10.25	10.77	11.23	11.59	11.35	10.83	10.61
	13	9.93	9.64	9.60	9.45	9.30	9.91	10.55	11.10	11.16	11.11	11.16	10.96	10.34
	14	9.52	8.65	8.43	8.13	8.38	8.80	9.21	9.92	10.34	10.85	10.61	10.39	9.87
	15	9.68	9.10	8.88	8.39	8.59	9.34	9.93	10.32	10.80	11.04	11.38	10.98	9.95
	16	10.50	9.93	9.69	9.53	9.70	10.33	10.96	11.10	11.30	11.75	11.61	11.49	10.56
	17	10.17	9.67	9.39	9.68	10.03	10.59	11.07	11.54	12.00	11.86	11.89	11.58	10.98
	18	9.51	8.65	8.13	7.69	8.02	8.60	9.49	9.89	10.64	10.79	10.74	10.18	10.06
	19	9.04	8.25	7.67	7.47	8.25	9.54	10.59	10.50	10.86	10.96	10.78	10.64	9.77
	20	8.98	8.47	7.84	7.62	7.77	8.58	9.42	10.04	10.58	10.70	10.73	10.40	9.46
	21	9.59	8.83	8.38	8.15	8.38	9.33	9.84	10.60	10.92	11.05	11.09	10.61	9.95
	22	9.95	9.06	8.40	8.55	8.79	9.55	10.25	11.14	11.34	11.34	11.13	10.98	10.51
	23	8.42	7.70	7.42	7.62	7.70	8.70	9.01	9.47	9.80	9.80	9.56	9.53	9.38
	24	8.39	7.58	6.95	7.57	7.34	8.16	8.57	9.01	9.59	9.61	9.48	9.10	8.84
	25	8.49	7.64	7.09	6.96	7.31	7.72	8.38	8.98	9.45	9.82	9.88	9.83	8.90
	26	8.73	8.05	7.52	7.46	7.53	7.98	8.53	9.29	9.97	10.43	10.27	9.99	9.23
	27	9.42	8.52	8.39	8.42	8.22	9.14	9.79	10.23	10.38	10.73	11.00	10.80	9.87
	28	10.70	10.17	9.50	9.57	9.97	10.50	10.77	11.44	11.78	11.85	11.55	11.06	10.77
	29	10.47	9.57	9.29	8.98	9.04	9.69	10.23	11.12	11.60	11.63	11.12	10.63	10.64
	30	10.22	9.28	8.49	8.69	8.80	9.43	9.98	10.92	11.45	11.54	11.60	11.24	10.50
	31	9.32	8.67	8.01	8.80	8.89	9.47	9.70	9.89	10.10	10.24	9.86	9.53	9.99
Hourly Means.		9.24	8.56	8.13	8.07	8.34	9.00	9.59	10.12	10.48	10.64	10.54	10.20	9.69

STANDARD THERMOMETER.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
D E C E M B E R.	1	74.7	73.9	73.0	72.7	72.1	71.8	72.6	75.5	79.6	81.8	84.0	83.6	—
	2	76.1	75.8	75.2	74.7	74.0	73.4	74.4	77.8	81.2	83.1	84.3	85.0	—
	3	76.4	75.5	75.3	74.7	74.2	73.8	74.2	76.0	79.0	81.5	83.1	83.3	—
	4	76.1	75.9	75.2	74.4	74.0	73.8	74.8	77.5	80.5	82.0	84.8	85.8	—
	5	75.6	75.3	75.0	74.6	74.0	73.3	75.0	77.8	80.9	83.5	85.1	86.0	—
	6	77.6	77.1	76.9	76.2	75.0	74.4	75.6	78.5	79.9	82.1	83.7	85.5	—
	7	74.4	74.1	73.7	73.2	73.0	73.5	74.5	77.3	81.3	81.8	83.4	84.4	—
	8	74.6	74.4	74.0	73.7	73.7	73.2	74.3	77.5	81.5	83.5	84.7	85.0	—
	9	74.4	74.4	75.0	74.8	74.0	73.9	74.7	76.2	77.7	81.7	83.7	85.5	—
	10	76.5	76.0	75.4	74.4	73.6	73.8	75.0	76.2	78.7	81.4	82.6	83.3	—
	11	76.0	76.0	75.8	75.5	75.3	75.1	75.8	77.5	79.0	80.5	81.3	79.0	—
	12	73.0	72.8	72.5	72.5	72.5	72.7	73.0	74.0	74.9	76.5	76.9	78.5	—
	13	74.5	74.3	74.0	73.6	73.2	73.0	73.7	74.9	76.7	79.2	81.6	81.6	—
	14	73.6	73.4	73.1	73.2	73.0	72.6	73.5	74.7	76.7	79.6	81.0	82.0	—
	15	74.5	74.1	73.6	73.3	73.3	72.8	74.2	75.9	78.0	80.5	79.8	81.6	—
	16	72.4	72.0	72.0	72.0	72.2	72.0	72.8	75.0	77.8	78.6	76.6	72.6	—
	17	71.6	71.4	71.1	71.0	70.9	70.9	71.5	73.0	75.0	77.8	80.1	81.5	—
	18	74.5	74.2	73.6	73.4	73.5	73.5	73.9	75.3	77.5	78.7	81.7	82.1	—
	19	74.0	73.0	72.5	72.0	71.6	71.6	73.6	75.6	78.4	81.6	83.0	83.6	—
	20	70.5	70.1	71.1	71.3	71.6	71.6	72.6	75.0	77.6	80.2	81.0	82.2	—
	21	74.0	73.5	72.6	72.0	71.8	71.8	72.8	75.0	77.9	79.6	79.6	82.3	—
	22	73.0	72.6	72.2	72.0	72.0	71.8	72.0	73.8	75.4	76.2	76.5	74.6	—
	23	73.9	73.8	73.7	73.5	72.8	72.5	73.2	75.2	77.5	80.2	83.0	83.7	—
	24	73.4	73.0	72.5	72.1	71.6	71.4	72.7	75.7	78.8	81.3	82.5	84.0	—
	25	72.6	72.4	72.2	72.2	71.4	71.3	72.3	75.4	78.5	81.4	83.6	85.3	—
	26	73.7	72.5	72.1	71.4	71.1	70.7	71.5	74.0	77.6	80.2	82.6	84.0	—
	27	74.2	73.4	72.6	72.2	71.6	71.2	72.1	75.6	78.8	81.4	82.9	84.7	—
	28	74.0	73.7	73.5	73.3	73.0	73.4	73.8	75.2	76.4	76.4	77.0	78.2	—
	29	73.7	73.2	73.0	72.9	72.9	72.8	73.5	75.5	79.0	81.0	82.6	85.0	—
	30	75.4	75.0	74.4	73.4	72.6	72.6	73.9	76.4	79.8	82.3	84.8	80.2	—
	31	74.4	74.2	74.0	73.5	73.1	73.1	74.1	77.0	80.3	81.6	81.6	84.0	—
Hourly Means.		74.30	73.90	73.57	73.22	72.86	72.69	73.60	75.81	78.45	80.55	81.91	82.52	—
Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
D E C E M B E R.	1	85.0	85.0	84.1	83.7	82.6	81.4	80.5	79.7	78.7	78.0	77.2	77.0	78.68
	2	85.6	84.8	84.0	83.5	82.6	81.8	80.6	78.0	76.6	76.5	76.4	76.6	79.25
	3	83.6	84.2	82.7	82.7	82.1	81.3	80.2	79.3	78.6	77.3	76.7	76.2	78.83
	4	86.0	87.4	86.4	85.1	83.7	83.0	80.0	78.7	77.8	76.8	76.8	76.2	79.70
	5	87.4	87.9	85.7	84.0	81.8	80.7	80.2	80.0	79.5	78.0	77.0	77.0	79.80
	6	85.4	85.0	83.9	83.1	82.9	81.4	79.7	78.7	77.5	76.8	75.7	74.8	79.48
	7	83.5	84.0	83.5	82.5	81.2	80.6	79.9	78.8	77.5	76.6	76.0	75.6	78.51
	8	85.7	86.6	82.2	80.0	79.5	77.7	76.0	76.1	75.5	75.0	74.6	74.5	78.06
	9	87.0	86.6	86.4	85.5	85.5	83.6	81.0	80.2	79.0	77.7	77.2	77.0	79.70
	10	83.5	83.6	83.0	82.6	82.0	80.5	80.0	79.5	78.5	77.8	77.2	76.4	78.81
	11	79.8	74.7	74.6	76.1	76.6	76.0	75.7	75.6	75.0	74.7	74.5	73.8	76.41
	12	78.6	78.0	79.5	78.5	78.4	77.6	77.0	76.5	76.2	75.6	75.1	74.5	75.64
	13	82.0	80.4	77.0	76.0	75.7	75.1	74.8	74.6	74.6	74.6	74.5	74.0	75.98
	14	83.0	83.5	83.0	82.0	80.5	78.3	77.0	76.3	76.1	75.8	75.5	75.0	77.18
	15	81.7	80.4	80.0	80.5	80.1	79.3	78.0	77.2	76.5	76.0	74.0	73.0	77.01
	16	74.3	74.3	76.0	74.2	73.6	73.6	73.7	73.2	72.8	72.4	71.9	71.8	73.66
	17	81.1	81.6	79.6	79.3	78.3	78.0	77.4	77.0	76.6	75.8	75.2	74.8	75.85
	18	84.0	84.0	83.5	83.9	81.9	80.3	78.9	78.0	77.0	76.1	75.6	74.9	77.92
	19	84.9	83.8	82.7	82.9	74.0	71.5	71.0	71.7	71.8	71.3	70.8	70.5	75.73
	20	83.6	84.5	84.6	83.8	82.7	81.0	79.1	78.4	77.6	76.7	76.0	74.9	77.40
	21	81.5	82.3	80.0	80.6	80.0	79.8	79.0	77.2	73.7	73.0	73.2	73.0	76.51
	22	77.7	79.5	80.3	81.0	80.4	79.1	77.5	75.2	74.0	73.9	73.8	73.6	75.34
	23	85.0	83.1	83.6	78.0	78.0	77.4	76.7	76.0	75.3	74.9	74.4	74.2	77.07
	24	83.5	83.5	84.2	81.9	76.3	75.9	75.1	74.0	73.7	73.4	73.4	73.0	76.54
	25	85.6	85.7	84.7	84.2	82.4	81.5	80.3	79.1	78.2	77.0	75.5	74.3	78.21
	26	84.9	85.4	85.2	84.0	82.3	81.3	80.0	79.7	78.2	77.0	76.2	75.5	77.96
	27	84.8	85.3	83.6	81.7	81.0	80.6	79.0	77.8	76.4	75.3	75.2	74.4	77.74
	28	79.0	80.1	81.0	81.3	80.7	79.4	76.4	75.0	75.3	75.0	74.6	74.0	76.24
	29	83.2	83.9	82.0	82.9	82.4	81.1	80.0	78.7	77.9	77.1	76.5	76.1	78.20
	30	80.1	81.6	81.0	81.0	81.2	80.5	78.9	78.0	77.0	76.0	75.2	75.0	77.76
	31	84.4	84.5	84.0	75.9	76.2	75.4	74.7	74.5	74.5	74.0	73.5	73.3	76.91
Hourly Means.		83.08	83.07	82.32	81.37	80.21	79.18	78.01	77.18	76.37	75.68	75.14	74.67	77.49

RELATIVE HUMIDITY OF THE AIR.

SATURATION = 1000.

Mean Batavia Time.	1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—	
D E C E M B E R.	1	897	904	886	894	910	928	929	856	722	714	642	680	—
	2	932	923	922	930	921	903	871	821	783	739	636	614	—
	3	865	880	905	930	938	947	912	881	838	783	738	710	—
	4	857	865	889	921	930	938	930	812	753	687	638	593	—
	5	915	905	905	897	896	920	930	852	783	685	684	630	—
	6	751	780	757	777	831	846	824	761	707	640	614	609	—
	7	870	870	869	886	902	877	871	796	718	707	691	688	—
	8	888	887	887	895	895	911	887	820	712	659	664	665	—
	9	904	913	880	879	887	887	879	850	752	699	633	622	—
	10	850	856	864	878	835	828	782	801	748	713	689	618	—
	11	857	857	856	856	864	872	864	812	763	731	718	793	—
	12	964	955	964	964	955	964	955	956	939	915	891	862	—
	13	913	921	930	903	911	920	912	880	842	801	712	770	—
	14	947	956	964	955	964	964	965	956	907	848	783	715	—
	15	913	921	929	920	929	920	921	881	791	738	764	741	—
	16	928	936	936	936	955	955	946	897	837	815	866	937	—
	17	955	955	954	954	954	954	955	955	905	821	766	699	—
	18	930	939	956	965	956	956	956	922	844	831	719	728	—
	19	921	929	928	928	927	945	929	881	822	699	637	633	—
	20	945	954	963	963	964	964	946	872	737	745	681	667	—
	21	903	920	919	936	936	936	929	898	798	787	765	668	—
	22	946	946	955	964	964	964	955	956	931	890	866	939	—
	23	956	965	965	965	955	955	956	905	852	795	752	685	—
	24	946	955	964	955	964	964	955	864	747	734	661	635	—
	25	937	937	928	928	928	918	902	823	717	699	621	559	—
	26	861	850	841	848	855	855	839	771	700	701	616	602	—
	27	896	877	885	893	909	909	884	768	732	718	696	631	—
	28	921	921	929	938	946	938	938	922	882	850	851	807	—
	29	938	955	955	955	964	964	946	889	785	711	670	639	—
	30	905	914	922	938	946	937	903	866	803	737	665	729	—
	31	913	930	938	947	946	946	939	867	759	735	757	701	—
Hourly Means.	907	912	914	919	924	925	913	864	794	752	712	696	—	
Mean Batavia Time.	1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.	
D E C E M B E R.	1	644	690	687	699	730	783	825	863	877	852	867	883	807
	2	628	651	654	664	702	735	804	789	833	817	850	857	791
	3	712	687	722	695	728	762	811	823	846	851	858	865	820
	4	579	586	600	645	706	753	743	792	820	866	883	899	779
	5	647	619	674	674	699	689	722	743	728	753	796	765	771
	6	627	651	678	696	710	747	749	770	805	826	848	863	744
	7	704	666	677	688	718	753	742	770	781	817	833	848	781
	8	661	651	744	825	832	876	889	865	872	897	897	897	820
	9	549	590	571	616	654	666	719	723	741	806	835	827	753
	10	677	677	752	759	714	752	803	809	822	829	835	850	781
	11	863	930	939	957	924	931	940	923	947	930	930	938	875
	12	807	845	794	838	830	844	875	882	882	873	889	913	898
	13	742	804	883	890	915	930	947	947	947	917	956	947	886
	14	677	706	725	729	732	783	788	826	833	849	872	888	847
	15	727	745	803	781	758	778	814	867	899	915	930	929	846
	16	947	947	948	930	920	938	938	955	955	955	955	955	929
	17	704	712	772	801	845	876	907	932	932	915	930	930	878
	18	679	693	684	679	728	737	778	814	858	865	873	897	833
	19	651	706	724	703	797	875	928	928	936	946	945	945	844
	20	627	586	631	627	675	732	793	814	844	842	890	897	807
	21	719	708	802	745	758	765	831	818	920	929	937	955	845
	22	845	786	774	739	774	801	851	914	930	956	956	956	898
	23	661	711	726	822	822	836	875	890	898	922	939	947	865
	24	653	693	655	742	818	841	864	913	930	938	929	911	843
	25	591	635	657	742	801	813	864	854	837	819	872	879	803
	26	544	559	582	621	667	718	765	794	830	842	865	856	749
	27	651	627	645	665	689	709	793	836	849	871	880	896	788
	28	793	708	690	698	710	786	849	913	897	914	922	938	861
	29	684	660	721	703	715	790	825	869	893	900	899	890	830
	30	743	763	755	755	718	774	831	861	866	841	872	897	831
	31	682	682	647	831	799	847	879	888	896	912	920	911	845
Hourly Means.	691	699	720	741	761	794	830	851	868	877	892	898	827	

DIRECTION OF THE WIND.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12
DECEMBER.	1	C	C	C	C	C	C	C	C	ENE	ENE	ENE	ENE
	2	C	C	C	C	C	C	C	NE	NE	NE	NE	NE
	3	C	C	C	C	C	C	C	C	NNE	NNE	NNE	NNE
	4	C	C	C	C	C	C	C	C	NNE	NNE	NNE	NNE
	5	C	C	C	C	C	C	C	C	N	N	N	N
	6	WSW	WSW	WSW	WSW	C	C	WSW	WSW	WSW	W	WSW	WSW
	7	C	C	C	C	C	C	C	SSW	W	WNW	WNW	WNW
	8	C	C	C	C	C	C	W	W	W	WSW	WSW	WSW
	9	C	WNW	W	W	W	C	C	W	W	WSW	WSW	WSW
	10	C	C	C	C	C	C	C	C	C	WSW	W	W
	11	N	N	N	N	N	C	C	N	N	NNW	NW	NNW
	12	WNW	C	C	C	C	C	C	C	WNW	WNW	WNW	WNW
	13	C	C	C	C	C	C	C	C	C	NW	NW	NW
	14	C	C	C	C	C	C	C	NW	NW	WNW	WNW	WNW
	15	C	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	NW	NNW
	16	NW	C	C	C	C	C	C	NW	NW	NW	NNW	NE
	17	C	C	C	C	C	C	C	C	C	NNE	NNE	N
	18	C	C	C	C	C	C	C	C	C	N	NNW	NW
	19	C	C	C	C	C	C	C	WNW	WNW	WNW	WNW	NW
	20	C	C	C	C	C	C	C	S	WSW	W	W	WNW
	21	C	C	C	C	C	C	C	NW	NW	NW	NW	NW
	22	C	C	WNW	C	C	NW	NW	NW	NW	C	NW	NW
	23	C	C	C	C	C	C	C	NW	NW	NW	NW	NW
	24	C	C	C	C	C	C	C	C	WSW	WSW	NW	NNW
	25	C	C	C	C	C	C	C	NNE	NNE	NNE	N	N
	26	C	C	C	C	C	C	N	N	N	N	N	NNW
	27	C	C	C	C	C	C	C	N	N	N	N	N
	28	C	C	C	C	C	C	C	N	NNE	NNE	NE	NE
	29	C	C	C	C	C	C	C	ENE	ENE	ENE	ENE	ENE
	30	C	C	C	C	C	C	C	C	ENE	ENE	E	ENE
	31	C	C	C	C	C	C	C	NNE	N	N	N	N

Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12
DECEMBER.	1	ENE	NE	NE	NE	NE	NE	C	NE	C	NE	C	C
	2	NE	NNE	N	N	N	N	N	NNE	C	C	C	C
	3	NNE	NNE	NNE	NNE	NNE	C	C	C	C	C	C	C
	4	NNE	NNE	NNE	NNE	N	C	C	C	C	C	C	C
	5	NW	WNW	W	WSW	WSW	WSW	WSW	WSW	WSW	C	WSW	WSW
	6	SW	SW	SSW	SSW	SSW	SSW	C	C	C	C	C	C
	7	WNW	WNW	WNW	W	W	C	C	C	C	C	C	C
	8	WNW	WNW	SSW	WNW	C	WNW	C	C	C	C	C	C
	9	WSW	WSW	WSW	C	C	C	C	C	C	C	C	C
	10	NNW	N	N	NNE	NNE	C	C	NNE	N	C	N	N
	11	NNW	WNW	WNW	C	C	C	C	C	WNW	WNW	C	WNW
	12	WNW	WNW	WNW	NW	NW	C	C	C	C	C	C	C
	13	WNW	NW	NW	NW	C	C	C	C	C	C	C	C
	14	NNW	NW	NW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	C
	15	NNW	NNW	NNW	NNW	NNW	C	C	C	C	NNW	NW	NW
	16	NE	NNE	NNE	NNE	NNE	C	C	C	C	C	C	C
	17	N	N	N	N	N	C	C	C	C	C	C	C
	18	WNW	WNW	WNW	WNW	C	C	C	C	C	C	C	C
	19	NW	N	NNW	NNW	SSE	SSE	SSE	SSE	C	SSE	SSE	C
	20	WNW	NW	NW	NW	NW	NW	C	C	C	C	C	C
	21	N	N	N	N	NNW	N	N	N	WSW	WSW	WSW	C
	22	NW	NW	NW	NW	NW	NW	C	C	C	C	C	C
	23	NW	NNW	NW	WSW	WSW	WSW	C	C	WSW	C	C	C
	24	NNE	NNE	NNE	NNE	NNE	NNE	C	C	C	C	C	C
	25	N	NNE	N	N	N	N	C	C	C	C	C	N
	26	NNW	NNW	NNW	NNW	N	N	C	C	C	C	C	C
	27	NNE	NNE	NNW	N	N	C	C	C	C	C	C	C
	28	NE	NE	NE	NE	C	NE	ENE	C	C	C	C	C
	29	NE	NE	ENE	NE	NE	NE	NE	C	C	C	C	C
	30	ENE	NNE	NNE	NNE	NNE	C	C	C	C	C	C	C
	31	N	NNE	N	SSW	SSW	SSW	C	C	C	C	C	C

VELOCITY OF THE WIND IN KILOMETERS PER HOUR.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
D E C E M B E R.	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.6	2.4	3.2	—
	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.6	2.4	3.2	6.4	—
	3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	2.4	3.2	3.2	—
	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	1.6	0.8	—
	5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	3.2	4.0	5.6	—
	6	2.4	1.6	4.0	1.6	0.0	0.0	0.8	3.2	3.2	6.4	5.6	5.6	—
	7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	4.8	4.8	4.0	8.0	—
	8	0.0	0.0	0.0	0.0	0.0	0.0	1.6	2.4	4.8	4.8	1.6	1.6	—
	9	0.0	0.8	2.4	0.8	1.6	0.0	0.0	0.8	4.0	6.4	3.2	3.2	—
	10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	4.8	2.4	—
	11	0.8	1.6	1.6	0.8	0.8	0.0	0.0	0.8	3.2	4.8	2.4	4.0	—
	12	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	2.4	2.4	4.0	—
	13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	8.0	12.9	—
	14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.6	4.0	7.2	10.5	—
	15	0.0	0.8	0.8	0.8	0.8	1.6	2.4	3.2	6.4	9.7	9.7	12.1	—
	16	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.8	2.4	7.2	8.9	12.9	—
	17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	4.8	11.3	—
	18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	3.2	4.0	—
	19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.6	2.4	2.4	6.4	—
	20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.8	4.0	4.8	7.2	7.2	—
	21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	2.4	5.6	4.0	8.0	—
	22	0.0	0.0	3.2	0.0	0.0	0.8	3.2	1.6	0.8	0.0	0.8	3.2	—
	23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	0.8	4.8	7.2	7.2	—
	24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	4.0	4.8	8.0	—
	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	4.8	4.8	3.2	4.0	—
	26	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.6	4.0	5.6	5.6	4.0	—
	27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	3.2	4.0	3.2	5.6	—
	28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	7.2	8.9	8.0	6.4	—
	29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	4.0	6.4	5.6	—
	30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	5.6	11.3	12.9	—
	31	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	3.2	4.8	8.9	—
Hourly Means.		0.15	0.15	0.39	0.13	0.10	0.08	0.28	1.21	2.40	4.11	4.81	6.42	—
Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
D E C E M B E R.	1	4.0	9.7	6.4	8.0	8.0	0.8	0.0	0.8	0.0	0.8	0.0	0.0	1.94
	2	9.7	12.1	11.3	8.0	5.6	0.8	4.0	3.2	0.0	0.0	0.0	0.0	2.88
	3	3.2	8.0	9.7	5.6	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.70
	4	2.4	4.8	4.8	5.6	4.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0	1.13
	5	5.6	6.4	10.5	11.3	5.6	5.6	3.2	0.8	0.8	0.0	0.8	1.6	2.74
	6	8.9	6.4	5.6	1.6	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0	2.44
	7	10.5	8.0	6.4	3.2	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.30
	8	1.6	4.8	4.8	1.6	0.0	0.8	0.0	0.0	0.0	0.0	0.0	0.0	1.27
	9	2.4	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.13
	10	7.2	8.9	8.0	7.2	1.6	0.0	0.0	0.8	1.6	0.0	0.8	1.6	1.94
	11	3.2	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.0	0.8	1.17
	12	3.2	2.4	4.0	3.2	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00
	13	9.7	5.6	1.6	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.78
	14	9.7	12.9	13.7	12.1	9.7	6.4	5.6	4.8	2.4	0.8	0.8	0.0	4.29
	15	14.5	6.4	0.8	1.6	2.4	0.0	0.0	0.0	0.0	4.8	5.6	1.6	3.58
	16	8.9	0.8	3.2	2.4	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.05
	17	15.3	9.7	2.4	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.95
	18	7.2	7.2	6.4	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.10
	19	6.4	7.2	12.9	9.7	14.5	3.2	1.6	1.6	0.0	0.8	1.6	0.0	3.05
	20	10.5	8.0	4.8	4.0	5.6	2.4	0.0	0.0	0.0	0.0	0.0	0.0	2.64
	21	12.9	13.7	11.3	9.7	8.9	4.0	2.4	4.0	4.0	2.4	0.8	0.0	3.95
	22	2.4	3.2	4.8	4.8	2.4	1.6	0.8	0.0	0.0	0.0	0.0	0.0	1.10
	23	10.5	13.7	9.7	3.2	1.6	0.8	0.0	0.0	0.8	0.0	0.0	0.0	2.58
	24	11.3	10.5	7.2	3.2	0.8	1.6	0.0	0.0	0.0	0.0	0.0	0.0	2.24
	25	5.6	12.1	12.1	9.7	4.8	0.8	0.0	0.0	0.0	0.0	0.0	0.8	2.78
	26	6.4	6.4	8.9	8.9	7.2	1.6	0.0	0.0	0.0	0.0	0.0	0.0	2.54
	27	8.9	11.3	11.3	4.0	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.21
	28	4.8	6.4	8.0	4.8	0.0	4.8	3.2	0.0	0.0	0.0	0.0	0.0	2.70
	29	10.5	12.9	8.9	11.3	9.7	4.0	0.8	0.0	0.0	0.0	0.0	0.0	3.15
	30	4.8	7.2	5.6	5.6	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.48
	31	8.0	12.9	11.3	8.0	1.6	0.8	0.0	0.0	0.0	0.0	0.0	0.0	2.61
Hourly Means		7.43	7.78	7.03	5.29	3.45	1.31	0.70	0.52	0.34	0.34	0.31	0.21	2.29

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MAGNETICAL AND METEOROLOGICAL OBSERVATIONS,

BATAVIA,

VOL IX.

PART I.

METEOROLOGICAL OBSERVATIONS.

SEP 1 1921

BATAVIA 1883. METEOROLOGICAL OBSERVATIONS.

73

CLOUDS.

CLEAR = 0. — OVERCAST = 10.

Mean Batavia Time.	1 A.M.	2	3	4	5	6	7	8	9	10	11	12	—	
DECEMBER.	1	6	4	4	5	4	6	3	3	1	4	2	6	—
	2	3	1	2	1	1	3	5	3	4	6	7	5	—
	3	7	8	10	9	7	6	8	6	6	8	7	8	—
	4	8	5	2	1	3	5	5	7	7	6	7	7	—
	5	5	4	6	4	3	4	8	8	6	9	8	4	—
	6	8	7	7	5	6	8	8	8	8	9	8	8	—
	7	4	3	3	2	4	5	8	8	9	5	6	7	—
	8	7	10	10	10	8	6	7	6	6	5	7	7	—
	9	7	6	6	6	7	9	10	10	9	9	10	9	—
	10	8	6	5	7	7	9	3	2	4	8	7	9	—
	11	5	7	5	7	7	9	10	10	10	10	10	10	—
	12	10	10	10	10	10	10	10	9	10	8	7	9	—
	13	9	10	10	10	10	8	8	9	7	6	6	7	—
	14	8	9	8	6	5	8	8	9	8	8	10	7	—
	15	4	5	6	6	7	4	4	7	8	8	10	10	—
	16	9	9	8	10	7	9	8	4	8	10	10	5	—
	17	8	7	8	9	9	9	10	8	9	9	9	9	—
	18	8	9	10	10	9	7	9	5	6	4	6	7	—
	19	4	6	5	6	7	8	5	8	9	3	7	5	—
	20	4	3	10	9	9	8	9	9	6	5	8	7	—
	21	6	4	3	5	7	9	8	9	9	10	10	10	—
	22	10	10	10	10	10	10	10	1	6	3	2	5	—
	23	9	10	1	0	3	3	5	4	6	6	7	6	—
	24	2	2	6	4	6	4	3	0	4	3	2	4	—
	25	6	6	1	2	4	4	2	1	0	1	0	0	—
	26	1	0	1	1	0	2	2	9	1	7	7	6	—
	27	4	1	2	5	6	6	8	9	9	9	9	9	—
	28	4	3	3	2	8	9	6	4	4	6	7	8	—
	29	3	5	4	6	4	4	5	4	6	8	7	9	—
	30	6	7	4	6	3	5	1	2	4	7	8	2	—
	31	3	6	4	2	3	5	1	2	4	7	8	2	—
Hourly Means.	6.0	5.9	5.9	5.7	6.0	6.5	6.2	5.9	6.2	6.6	6.9	6.9	—	
Mean Batavia Time.	1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.	
DECEMBER.	1	5	3	2	2	3	3	9	9	10	10	10	5.2	
	2	1	2	0	0	0	1	7	2	3	8	5	3.3	
	3	9	9	9	10	9	8	9	8	6	9	6	7.9	
	4	4	4	5	7	2	8	6	6	4	3	4	5.0	
	5	7	6	6	5	7	8	8	7	10	9	8	6.5	
	6	9	9	9	8	8	7	6	8	9	10	10	7.7	
	7	4	4	3	10	10	8	9	6	5	6	5	6.2	
	8	7	9	9	9	10	10	8	6	4	5	8	7.3	
	9	8	8	9	9	8	7	9	9	8	9	7	7.1	
	10	7	8	8	9	9	9	9	9	9	10	7	8.4	
	11	9	10	10	10	9	10	10	10	9	10	10	7.9	
	12	7	10	10	7	10	10	9	8	6	9	9	9.5	
	13	9	10	10	10	10	9	9	6	4	6	4	8.4	
	14	8	7	6	9	8	8	8	9	8	6	7	7.5	
	15	7	8	6	7	8	7	7	9	8	10	10	7.1	
	16	10	9	10	10	10	9	10	10	9	9	9	9.0	
	17	3	10	10	10	10	10	6	5	4	3	5	7.5	
	18	9	9	7	4	3	4	3	1	1	1	2	6.3	
	19	7	7	6	4	10	10	10	8	7	5	6	6.5	
	20	6	7	7	6	7	8	8	6	7	6	6	6.8	
	21	9	9	6	8	8	10	10	10	10	10	10	8.0	
	22	10	10	6	6	10	10	9	10	10	5	8	9.3	
	23	7	6	8	9	5	5	7	6	4	6	4	6.1	
	24	7	4	3	10	10	9	6	6	4	3	4	4.8	
	25	6	5	7	7	6	8	2	1	1	2	1	4.1	
	26	3	2	2	3	2	4	8	8	9	10	10	3.6	
	27	6	1	10	10	4	6	3	2	3	4	3	3.6	
	28	10	9	6	4	5	7	10	10	6	7	5	6.8	
	29	9	9	9	7	7	6	7	7	5	3	4	6.0	
	30	7	8	6	9	8	9	6	5	3	3	2	5.8	
	31	3	4	7	9	8	10	9	7	6	8	10	10	5.8
Hourly Means.	6.9	7.0	6.8	7.4	7.2	7.7	7.6	6.9	6.5	6.8	6.6	6.5	6.61	

RAIN,
IN MILLIMETRES.

Hours of Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12
January	6	0.4	0.1	—	1.6	0.5	0.1	—	—	—	—	—	—
»	7	0.1	—	—	—	—	—	—	—	—	—	—	—
»	8	8.2	0.3	38.9	28.8	0.5	1.0	0.5	0.2	—	—	—	—
»	9	—	0.2	0.2	0.1	0.2	0.1	0.9	27.5	17.5	7.3	2.9	1.1
»	10	—	5.3	1.5	16.2	4.6	17.0	43.2	28.0	30.8	1.9	—	—
»	11	—	—	—	—	—	—	—	—	—	—	—	—
»	12	—	18.0	5.3	0.5	0.6	0.1	1.7	0.4	—	—	—	—
»	13	—	0.2	0.1	28.2	21.6	3.4	0.4	0.1	—	—	—	—
»	15	—	5.0	1.9	0.3	—	4.9	7.9	0.2	0.4	1.8	0.6	0.1
»	17	—	—	—	—	—	—	—	—	—	4.8	0.2	—
»	18	0.3	0.1	—	11.6	19.6	16.6	2.2	1.3	0.4	0.1	—	—
»	19	2.1	0.6	0.1	—	—	3.4	0.2	—	—	—	—	—
»	20	0.4	—	—	—	0.2	—	—	—	—	—	—	—
»	21	15.1	3.2	0.4	0.7	8.8	15.1	9.5	1.2	0.5	1.1	0.1	—
»	22	—	0.5	2.0	7.3	5.4	2.9	0.2	0.4	0.1	—	—	1.3
»	23	—	0.1	0.4	0.1	—	—	—	—	—	0.7	0.1	—
»	24	—	—	—	—	—	—	—	—	—	—	—	—
»	25	—	—	—	—	—	—	—	—	0.9	5.5	4.5	0.8
»	26	0.1	—	0.3	0.1	0.6	0.5	0.1	0.1	—	—	—	—
»	27	—	—	—	—	—	—	—	—	—	—	—	—
»	28	0.1	—	—	—	—	—	—	—	—	—	—	—
»	29	—	—	—	—	—	—	—	—	—	—	1.1	6.5
»	30	—	—	—	—	—	—	—	—	—	—	—	—
»	31	0.1	—	0.6	1.1	0.3	—	—	—	—	—	—	—
February	1	—	—	—	—	—	—	0.1	—	—	—	—	—
»	2	2.3	1.5	1.9	0.8	0.1	—	—	—	—	—	—	—
»	3	1.3	0.2	0.1	0.1	0.1	—	—	—	—	—	—	—
»	4	—	—	—	—	0.3	0.1	—	—	—	—	0.5	0.1
»	5	—	—	—	9.4	0.2	—	—	—	—	—	—	—
»	6	0.5	0.1	0.2	1.1	0.2	0.1	—	—	—	—	—	—
»	7	—	—	—	—	31.1	15.3	50.4	48.2	30.0	10.6	13.7	1.1
»	8	0.2	1.4	11.4	0.1	—	—	—	—	0.2	—	—	—
»	9	—	—	9.7	3.5	1.3	0.4	—	—	0.1	—	—	0.5
»	10	—	—	—	—	—	4.6	0.2	2.4	1.3	0.2	—	—
»	11	0.1	—	—	—	—	—	—	—	—	—	—	—
»	12	—	—	—	0.2	0.1	—	—	—	—	—	—	—
»	13	0.4	0.1	—	3.0	0.1	—	—	—	1.7	0.2	0.4	0.1
»	14	0.3	0.2	0.3	0.4	0.1	0.2	3.6	0.2	0.1	—	4.9	1.4
»	15	—	—	0.1	—	—	—	0.3	0.9	1.2	0.2	—	—
»	16	—	—	—	—	—	—	0.1	—	—	9.9	3.6	0.5
»	17	—	—	—	—	—	—	—	—	—	—	3.4	0.8
»	19	—	—	—	—	—	—	—	—	—	—	—	—
»	21	—	—	—	—	—	—	—	—	—	—	—	—
»	22	0.5	0.2	—	0.1	1.0	0.6	2.7	0.1	0.4	0.1	—	—
March	3	—	—	—	—	—	2.5	0.7	0.2	—	—	—	—
»	5	—	—	—	—	—	—	—	—	—	—	—	—
»	6	—	—	—	—	—	—	—	—	—	—	—	—
»	8	—	—	—	—	—	—	—	—	—	—	—	—
»	10	—	—	—	—	—	—	—	—	—	—	—	—
»	11	—	—	—	—	—	—	—	—	—	—	—	—
»	12	—	—	—	—	—	—	—	—	—	—	—	—
»	13	—	—	—	—	—	—	—	—	—	—	—	—
»	14	—	—	—	—	—	—	1.1	0.3	—	—	—	—
»	18	3.5	0.2	—	—	—	—	—	—	—	—	—	—
»	22	—	—	—	—	—	—	—	—	—	—	—	—
»	23	—	—	—	—	—	—	—	—	—	—	—	—
»	24	6.9	9.5	2.7	0.7	0.1	—	—	—	—	—	—	—
»	25	—	—	—	—	—	—	—	—	—	—	—	—
»	28	—	—	—	—	—	—	—	—	—	—	—	—
»	29	—	—	—	—	—	—	—	—	—	—	—	—
»	30	—	—	—	—	—	—	—	—	—	—	—	—
»	31	—	—	—	—	—	—	—	—	—	—	—	—
April	2	—	—	—	—	—	—	—	—	—	—	—	—
»	5	—	—	—	—	—	—	—	—	—	—	—	—
»	6	—	—	—	—	—	—	—	—	—	—	—	—
»	10	—	—	—	—	—	—	—	—	—	—	—	—
»	11	0.1	2.6	0.3	0.1	—	—	—	—	—	—	—	—
»	13	—	—	—	—	—	—	—	—	—	—	—	—
»	17	—	—	—	—	—	—	—	—	—	—	—	—
»	20	—	—	—	—	—	—	—	—	—	—	—	—
»	24	—	—	—	—	—	—	—	—	—	—	—	—
»	26	—	—	—	—	—	—	0.1	0.2	—	—	—	—
»	27	—	—	—	—	—	—	—	—	—	—	—	—

RAIN,
IN MILLIMETRES.

[illegible]

RAIN,
IN MILLIMETRES.

Hours of Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12
May	2	—	—	—	—	—	—	—	—	—	—	—	0.2
»	3	—	—	—	—	—	—	—	0.4	0.9	0.1	0.8	13.9
»	5	—	—	—	—	—	—	—	—	—	—	—	—
»	16	—	—	—	—	6.2	7.0	7.0	0.5	4.2	3.3	—	—
»	17	47.7	0.3	—	—	—	—	—	—	—	—	—	—
June	19	—	—	—	—	—	—	—	—	0.9	0.1	—	—
»	30	—	—	—	—	—	—	—	—	—	—	—	—
August	26	—	—	—	—	—	—	—	—	—	—	—	—
September	2	—	—	—	—	—	—	—	—	0.4	—	—	—
»	3	—	—	—	—	—	—	—	—	—	—	—	—
»	9	—	—	—	—	—	—	—	—	—	—	—	—
»	10	0.2	0.1	—	—	—	—	—	—	—	—	—	—
»	14	—	—	—	—	—	—	1.2	13.9	0.2	0.1	—	—
»	15	—	—	—	—	—	—	—	—	—	—	—	—
»	16	0.2	0.1	—	—	—	—	—	—	—	—	—	—
»	17	0.1	—	—	—	—	—	—	—	—	—	—	—
October	3	—	—	—	—	—	10.6	0.3	—	—	—	—	—
»	6	—	—	—	—	—	—	—	—	—	—	—	—
»	7	—	—	—	—	—	—	—	—	—	—	—	—
»	8	—	—	—	—	—	—	—	—	—	—	7.5	15.8
»	9	—	—	—	—	—	—	—	—	—	—	—	—
»	10	—	—	—	—	—	—	—	—	—	—	—	—
»	11	—	—	—	—	—	—	—	—	—	—	—	—
»	16	0.8	1.6	0.1	—	—	—	—	—	—	—	—	—
»	20	—	—	1.6	0.3	0.1	—	—	—	—	—	—	—
»	26	—	—	—	—	—	—	—	—	—	—	—	—
»	27	—	—	—	—	—	—	—	—	—	—	—	—
»	28	0.1	—	—	—	—	—	—	—	—	—	—	—
November	1	—	—	—	—	—	—	—	—	—	—	—	—
»	5	—	—	—	—	—	—	—	—	—	—	—	—
»	6	—	—	—	—	—	—	—	—	—	—	—	—
»	7	—	—	—	—	—	0.5	0.1	—	0.2	0.1	—	—
»	8	—	—	—	—	—	—	—	—	—	—	—	—
»	9	0.1	0.1	—	—	—	—	—	—	—	—	—	15.0
»	10	—	—	—	—	—	—	—	—	—	—	1.3	5.6
»	12	—	—	—	—	—	—	—	—	—	—	—	—
»	13	0.1	—	—	—	—	—	—	—	—	—	—	—
»	15	—	—	—	—	—	—	—	—	—	—	—	0.1
»	16	—	—	—	—	—	—	—	—	—	—	—	—
»	18	—	—	—	—	—	—	—	—	—	—	—	—
»	19	—	—	—	—	—	—	—	0.2	0.9	0.3	—	—
»	20	—	—	—	—	0.8	0.3	—	—	—	—	—	—
»	21	—	—	—	0.1	0.1	—	—	—	—	—	—	—
»	22	0.2	—	0.1	0.1	0.1	—	—	—	—	—	—	—
»	23	0.2	—	—	—	—	—	—	0.1	—	1.3	0.3	—
»	26	—	—	—	—	—	—	—	—	—	—	—	0.3
»	27	—	—	—	—	—	—	—	—	—	—	—	—
»	29	—	—	—	—	—	—	—	—	—	—	—	—
December	8	—	—	—	—	—	—	—	—	—	—	—	—
»	11	—	—	—	—	—	—	—	—	—	—	—	—
»	12	0.4	0.1	0.2	0.4	0.8	1.7	0.2	0.1	—	—	0.2	0.1
»	13	—	—	—	—	—	—	—	—	—	—	—	—
»	15	—	—	—	—	—	—	—	—	—	—	—	—
»	16	0.1	0.1	0.1	—	—	—	—	—	—	—	—	7.5
»	17	—	—	—	—	—	—	0.1	0.2	0.1	—	—	—
»	19	—	—	—	—	—	—	—	—	—	—	—	—
»	21	—	—	—	—	—	—	—	—	—	—	—	—
»	22	2.1	5.0	10.4	24.4	0.7	0.1	—	—	—	—	—	5.0
»	23	0.1	0.1	0.6	0.1	—	—	—	—	—	—	—	—
»	24	—	—	—	—	—	—	—	—	—	—	—	—
»	28	—	—	—	—	—	—	—	—	—	—	—	—

RAIN,
IN MILLIMETRES.

1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily Amount.
0.2	—	—	—	—	—	—	—	—	—	—	—	0.4
0.2	0.1	—	—	—	—	—	—	—	—	—	—	16.4
15.5	8.8	5.6	0.3	—	—	—	—	—	—	—	—	30.2
—	—	—	—	—	—	—	—	—	—	—	2.9	31.1
—	—	—	—	—	—	—	—	—	—	—	—	48.0
—	—	0.3	—	—	—	—	—	—	—	—	—	1.3
—	—	—	—	—	—	0.2	0.1	—	—	—	—	0.3
—	—	—	—	—	—	—	—	0.8	—	—	—	0.8
—	—	—	—	—	—	—	—	—	—	—	—	0.4
—	—	—	—	—	2.7	1.1	0.1	0.1	—	—	—	4.0
—	—	—	—	—	—	—	—	—	—	—	0.7	0.7
—	—	—	—	—	0.3	0.3	0.3	0.6	0.4	0.1	—	2.3
—	—	—	—	—	—	—	—	—	—	—	—	15.4
—	—	—	—	—	—	—	—	1.4	6.7	0.3	0.2	8.6
—	—	—	—	—	—	—	—	—	—	—	—	0.3
—	—	—	—	—	—	—	—	—	—	—	—	0.1
—	—	—	—	—	—	—	—	—	—	—	—	10.9
—	—	—	—	—	—	—	—	0.3	11.3	14.0	0.1	26.0
—	—	—	—	—	—	—	—	2.5	1.7	0.1	—	4.3
0.2	—	—	—	0.4	0.9	0.1	—	—	—	—	—	24.9
—	—	—	11.1	0.3	—	—	—	—	—	—	—	11.4
—	—	7.7	1.8	2.2	0.7	0.1	—	—	—	—	—	12.5
—	—	—	—	5.1	1.4	0.1	—	—	—	—	—	6.6
—	—	—	—	—	—	—	—	—	—	—	—	2.5
—	—	—	—	—	—	—	—	—	—	—	—	2.0
—	—	—	—	—	—	—	—	—	11.2	0.1	—	11.3
—	—	—	—	—	—	0.2	—	—	27.9	5.5	3.0	36.6
—	—	18.1	14.9	13.6	1.6	0.3	0.2	0.1	—	—	—	48.9
—	0.3	0.1	—	—	—	—	—	—	—	—	—	0.4
—	—	—	—	—	44.5	20.6	0.4	0.1	—	—	—	65.6
—	—	—	—	—	—	—	0.7	0.2	—	—	—	0.9
—	—	—	—	—	4.3	15.2	0.3	1.3	0.2	0.1	—	22.3
—	—	—	—	—	—	9.6	10.5	1.2	2.3	1.4	1.5	26.5
17.7	0.4	0.4	0.2	0.1	—	—	—	—	—	—	—	31.0
2.5	0.8	0.2	—	—	—	—	—	—	—	—	—	10.4
—	—	—	—	—	—	—	—	—	—	2.3	0.5	2.8
—	—	—	—	—	—	—	—	—	—	—	—	0.1
—	—	—	—	—	—	—	—	—	—	—	—	0.1
—	—	5.5	0.5	—	—	—	—	—	—	—	—	6.0
—	—	—	—	—	—	1.3	0.1	—	—	—	—	1.4
—	—	—	0.2	—	—	—	—	—	—	—	—	1.6
—	18.9	1.8	0.1	—	—	—	0.7	0.5	0.1	—	—	23.5
0.8	0.5	—	—	—	—	—	—	—	1.5	0.5	0.5	4.0
—	—	—	—	33.0	16.6	1.4	1.4	0.4	0.1	0.1	2.3	55.8
—	—	0.1	—	0.1	0.1	—	—	—	—	—	—	2.2
0.5	—	—	—	0.2	0.9	0.2	—	—	—	—	—	2.1
—	—	—	—	—	1.4	17.0	0.3	—	—	—	—	18.7
—	—	—	—	6.6	0.9	0.1	—	—	—	—	—	7.6
—	—	—	—	—	0.8	0.1	—	—	—	—	—	0.9
1.3	16.1	10.2	1.6	0.1	—	—	—	0.3	—	0.4	1.9	31.9
—	0.1	—	0.6	0.1	—	—	—	—	—	—	—	5.0
—	—	7.1	1.0	1.9	0.2	—	—	—	—	—	—	16.5
—	—	—	—	—	—	—	—	—	—	—	1.0	1.0
14.7	10.4	0.3	0.1	—	—	—	0.1	—	—	—	—	33.4
—	—	—	—	—	—	—	—	—	—	—	—	0.4
—	—	—	—	6.6	23.1	0.9	0.6	0.1	—	—	—	31.3
—	—	—	—	—	—	—	—	3.1	0.1	0.3	0.9	4.4
0.3	—	—	—	—	—	—	3.0	4.7	0.8	0.2	0.1	56.6
—	—	—	—	—	—	—	—	—	—	—	—	0.9
—	—	—	—	0.1	0.1	—	—	—	—	—	—	0.2
—	—	—	—	—	—	0.1	—	—	—	—	—	0.1

RESULTS
OF
METEOROLOGICAL OBSERVATIONS
1883.

T A B L E 1. — Mean height of the Barometer in 1883.
Barometer at O°C = 750^{mm} + the numbers in the Table.

Hours of mean Batavia Time.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual Means.
	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.
1 a. m.	8.99	8.71	9.14	8.44	8.55	9.51	9.87	9.50	9.98	9.30	7.94	9.72	9.14
2	8.56	8.33	8.77	8.08	8.20	9.16	9.54	9.13	9.65	9.01	7.56	9.39	8.78
3	8.36	8.06	8.48	7.86	7.94	8.89	9.29	8.97	9.52	8.89	7.33	9.14	8.56
4	8.35	8.08	8.41	7.81	7.88	8.89	9.28	8.98	9.56	8.95	7.38	9.12	8.56
5	8.59	8.28	8.64	7.97	8.11	9.06	9.47	9.16	9.80	9.19	7.65	9.43	8.78
6	9.02	8.65	8.88	8.33	8.48	9.34	9.73	9.39	10.20	9.59	8.00	9.86	9.12
7	9.58	9.13	9.35	8.79	8.89	9.67	10.10	9.86	10.68	10.10	8.55	10.35	9.59
8	9.92	9.72	9.83	9.17	9.34	10.07	10.53	10.34	11.14	10.50	8.89	10.69	10.01
9	10.07	9.86	10.05	9.39	9.54	10.19	10.68	10.49	11.28	10.57	9.03	10.86	10.17
10	9.96	9.76	9.96	9.29	9.42	10.01	10.44	10.21	11.00	10.32	8.87	10.74	10.00
11	9.62	9.50	9.58	8.86	9.01	9.59	9.96	9.81	10.39	9.82	8.52	10.36	9.59
12	9.14	9.00	8.97	8.16	8.35	8.98	9.33	9.05	9.70	9.14	7.88	9.88	8.97
1 p. m.	8.54	8.35	8.18	7.40	7.69	8.34	8.73	8.39	8.98	8.37	7.23	9.24	8.29
2	7.83	7.70	7.51	6.77	7.07	7.75	8.09	7.78	8.37	7.84	6.61	8.56	7.66
3	7.22	7.22	7.12	6.35	6.72	7.42	7.81	7.46	8.03	7.46	6.28	8.13	7.27
4	7.12	6.95	7.08	6.32	6.74	7.35	7.78	7.42	7.97	7.40	6.30	8.07	7.21
5	7.37	7.05	7.33	6.67	7.00	7.56	7.99	7.68	8.25	7.79	6.78	8.34	7.48
6	7.86	7.49	7.94	7.10	7.38	7.98	8.40	8.15	8.81	8.34	7.50	9.00	8.00
7	8.40	7.97	8.56	7.71	7.86	8.49	8.94	8.76	9.41	8.98	8.00	9.59	8.56
8	8.93	8.53	9.10	8.36	8.46	9.08	9.52	9.43	10.03	9.45	8.44	10.12	9.12
9	9.38	9.05	9.57	8.80	8.91	9.57	9.96	9.82	10.44	9.89	8.82	10.48	9.56
10	9.63	9.38	9.89	9.03	9.17	9.87	10.12	10.09	10.76	10.18	8.93	10.64	9.81
11	9.61	9.38	9.89	9.04	9.17	9.88	10.16	10.13	10.71	10.09	8.77	10.54	9.78
12	9.32	9.16	9.60	8.83	9.00	9.81	10.07	9.92	10.39	9.69	8.43	10.20	9.54
Monthly Means.	8.81	8.55	8.83	8.11	8.29	9.02	9.41	9.16	9.79	9.20	7.90	9.69	8.90

T A B L E 2. — Mean Temperature of the Air in 1883.
Centesimal degrees.

Hours of mean Batavia Time.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual Means.
1 a. m.	24.07	23.87	24.21	24.14	24.46	24.48	24.03	23.66	23.98	24.09	23.81	23.50	24.03
2	23.81	23.65	23.98	23.91	24.18	24.19	23.60	23.32	23.73	23.84	23.66	23.28	23.76
3	23.59	23.44	23.81	23.74	23.90	23.87	23.25	23.00	23.46	23.59	23.53	23.10	23.52
4	23.45	23.30	23.63	23.60	23.59	23.59	22.92	22.70	23.26	23.34	23.37	22.90	23.30
5	23.25	23.20	23.46	23.41	23.32	23.31	22.63	22.43	23.01	23.08	23.27	22.70	23.09
6	23.19	23.03	23.29	23.26	23.08	23.07	22.31	22.18	22.85	22.91	23.20	22.61	22.92
7	23.36	23.20	23.47	23.51	23.30	23.19	22.40	22.36	23.28	23.55	23.86	23.11	23.22
8	24.19	24.03	24.74	24.58	24.59	24.44	23.73	23.92	24.79	25.08	25.19	24.34	24.47
9	25.15	25.07	26.44	26.29	26.23	26.29	25.74	26.19	26.51	26.92	26.59	25.81	26.10
10	26.09	26.06	27.83	27.67	27.74	27.95	27.47	28.06	28.03	28.33	27.62	26.97	27.49
11	26.69	26.73	28.79	28.46	28.78	29.23	28.79	29.42	29.09	29.21	28.34	27.73	28.44
12	27.27	27.14	29.35	29.23	29.43	30.01	29.81	30.24	29.71	29.45	28.61	28.07	29.03
1 p. m.	27.47	27.40	29.61	29.51	29.80	30.64	30.22	30.22	29.90	29.52	28.58	28.37	29.27
2	27.71	27.62	29.47	29.42	29.87	30.54	29.95	29.87	29.66	29.34	28.44	28.37	29.19
3	27.58	27.52	29.05	28.93	29.49	30.08	29.46	29.47	29.31	29.02	28.07	27.95	28.83
4	27.33	27.23	28.64	28.55	29.00	29.65	28.92	28.91	28.89	28.53	27.74	27.43	28.40
5	26.93	26.97	27.90	27.91	28.41	29.03	28.40	28.16	28.25	27.90	26.96	26.79	27.80
6	26.44	26.49	27.12	27.01	27.66	28.08	27.55	27.37	27.58	27.27	26.02	26.21	27.07
7	25.81	25.80	26.35	26.23	26.81	27.15	26.83	26.67	26.98	26.65	25.36	25.57	26.35
8	25.30	25.31	25.69	25.74	26.15	26.44	26.19	26.02	26.29	25.99	24.92	25.10	25.76
9	25.05	24.95	25.30	25.32	25.70	25.88	25.68	25.44	25.69	25.43	24.56	24.65	25.30
10	24.85	24.61	24.96	24.94	25.31	25.42	25.20	24.95	25.14	24.96	24.31	24.26	24.91
11	24.56	24.29	24.70	24.65	25.01	25.04	24.80	24.53	24.73	24.70	24.10	23.96	24.59
12	24.35	24.04	24.44	24.43	24.73	24.73	24.44	24.11	24.40	24.40	23.97	23.71	24.31
Monthly Means.	25.31	25.21	26.09	26.02	26.27	26.51	26.01	25.97	26.19	26.13	25.59	25.27	25.88

TABLE 3. — Mean relative Humidity of the Air in 1883.
Saturation = 1000.

Hours of mean Batavia Time.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual Means.
1 a. m.	934	939	929	917	913	882	854	846	864	889	919	907	899
2	937	940	928	921	917	889	861	853	872	894	921	912	904
3	938	942	931	925	917	897	862	862	872	901	924	914	907
4	941	942	932	929	923	901	863	868	874	907	925	919	910
5	946	936	937	930	925	905	869	874	876	914	929	924	914
6	945	937	940	935	927	908	876	875	881	915	932	925	916
7	945	936	935	930	921	900	869	867	866	897	920	913	908
8	919	910	896	894	878	854	815	801	800	835	865	864	861
9	877	869	827	817	805	777	729	709	727	745	797	794	789
10	831	833	757	755	740	687	644	620	656	670	747	752	724
11	803	801	712	727	688	623	580	557	601	630	719	712	679
12	778	791	688	692	654	590	535	536	592	633	709	696	658
1 p. m.	764	775	695	692	650	571	545	560	598	632	714	691	657
2	747	759	708	692	654	591	570	574	609	640	718	699	663
3	745	770	709	719	674	616	593	583	621	643	745	720	678
4	756	782	722	741	702	638	617	607	635	673	756	741	698
5	782	796	757	760	734	683	649	645	673	706	787	761	728
6	816	828	800	805	775	731	703	696	711	751	830	794	770
7	857	862	849	846	820	779	747	744	753	796	859	830	812
8	886	891	878	875	855	809	775	777	790	825	874	851	841
9	903	909	892	886	873	834	792	797	814	850	885	868	859
10	910	918	904	897	886	848	812	815	832	870	898	877	872
11	919	929	914	904	897	863	826	826	847	876	904	892	883
12	924	935	920	907	905	873	837	837	854	885	909	898	890
Monthly Means.	867	872	840	837	818	777	743	739	759	791	841	827	809

TABLE 4. — Mean Tension of the Atmospheric Vapour in 1883.

Hours of mean Batavia Time.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual Means.
1 a. m.	20.82	20.72	20.89	20.59	20.92	20.21	19.04	18.46	19.20	19.88	20.19	19.59	20.04
2	20.57	20.46	20.60	20.39	20.63	20.04	18.73	18.23	19.06	19.69	20.06	19.43	19.82
3	20.32	20.26	20.44	20.26	20.27	19.84	18.35	18.07	18.77	19.57	20.00	19.27	19.62
4	20.21	20.09	20.27	20.15	20.02	19.57	18.00	17.85	18.60	19.40	19.83	19.13	19.43
5	20.08	19.83	20.17	19.97	19.74	19.34	17.79	17.68	18.38	19.23	19.76	18.99	19.25
6	19.99	19.67	20.01	19.90	19.52	19.11	17.58	17.43	18.29	19.07	19.76	18.93	19.11
7	20.20	19.85	20.17	20.06	19.63	19.06	17.51	17.46	18.43	19.44	20.28	19.25	19.28
8	20.68	20.36	20.95	20.69	20.34	19.61	17.94	17.85	18.71	19.89	20.68	19.64	19.78
9	20.89	20.66	21.38	20.94	20.58	19.89	18.13	18.09	18.80	19.78	20.63	19.70	19.96
10	20.85	20.94	21.19	20.94	20.62	19.38	17.70	17.61	18.51	19.32	20.57	19.95	19.80
11	20.84	20.85	21.06	21.05	20.39	18.92	17.20	17.05	18.04	19.04	20.62	19.70	19.56
12	20.85	21.09	20.98	20.96	20.07	18.76	16.83	17.17	18.38	19.33	20.58	19.57	19.55
1 p. m.	20.71	20.97	21.42	21.25	20.27	18.82	17.49	17.85	18.75	19.36	20.67	19.76	19.78
2	20.55	20.80	21.68	21.15	20.47	19.28	18.03	17.95	18.83	19.42	20.62	19.98	19.90
3	20.34	21.00	21.12	21.29	20.60	19.52	18.18	17.78	18.83	19.09	20.93	20.09	19.90
4	20.33	20.95	20.93	21.49	20.82	19.76	18.34	17.92	18.79	19.40	20.86	20.04	19.97
5	20.56	21.02	21.03	21.22	21.04	20.34	18.69	18.23	19.16	19.55	20.74	19.89	20.12
6	20.89	21.28	21.27	21.31	21.31	20.63	19.27	18.82	19.50	20.13	20.75	20.11	20.44
7	21.18	21.28	21.59	21.41	21.49	20.81	19.62	19.31	19.96	20.64	20.67	20.24	20.68
8	21.27	21.41	21.50	21.56	21.58	20.80	19.63	19.46	20.09	20.59	20.51	20.19	20.72
9	21.37	21.42	21.40	21.29	21.49	20.74	19.50	19.34	20.02	20.59	20.34	20.06	20.63
10	21.31	21.21	21.28	21.08	21.31	20.55	19.46	19.21	19.82	20.51	20.34	19.84	20.49
11	21.11	21.04	21.18	20.92	21.18	20.47	19.31	18.99	19.68	20.32	20.22	19.83	20.35
12	20.97	20.84	20.97	20.72	21.05	20.33	19.16	18.76	19.45	20.17	20.19	19.63	20.19
Monthly Means.	20.70	20.75	20.98	20.86	20.64	19.82	18.40	18.19	19.00	19.73	20.41	19.70	19.93

TABLE 5. — Hourly, monthly and annual Means of the recorded velocity of the Wind for the year 1883.

Hours of mean Batavia Time.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual Means.
	k. p. h.	k. p. h.	k. p. h.	k. p. h.	k. p. h.	k. p. h.	k. p. h.	k. p. h.	k. p. h.	k. p. h.	k. p. h.	k. p. h.	k. p. h.
1 a. m.	0.26	0.29	0.13	0.13	0.28	0.16	0.15	0.03	0.08	0.08	0.11	01.5	0.15
2	0.26	0.46	0.18	0.11	0.21	0.13	0.31	0.03	0.05	0.28	0.08	0.15	0.19
3	0.57	0.77	0.08	0.16	0.18	0.16	0.28	0.23	0.11	0.23	0.05	0.39	0.27
4	0.67	1.12	0.03	0.19	0.08	0.05	0.31	0.08	0.05	0.08	0.11	0.13	0.24
5	0.54	1.20	0.15	0.24	0.10	0.11	0.39	0.15	0.21	0.18	0.13	0.10	0.29
6	0.70	1.17	0.21	0.11	0.08	0.05	0.44	0.18	0.40	0.10	0.27	0.08	0.32
7	0.62	0.66	0.36	0.35	0.21	0.11	0.59	0.15	0.40	0.13	0.45	0.28	0.36
8	1.55	1.63	1.14	0.75	0.77	1.15	1.89	0.96	1.04	0.88	0.96	1.21	1.16
9	2.69	2.26	2.97	1.92	2.35	2.56	3.84	3.18	2.53	2.40	2.03	2.40	2.59
10	5.05	4.09	4.95	3.90	4.30	5.16	5.96	5.31	4.15	4.19	3.60	4.11	4.56
11	6.80	5.65	6.50	5.61	5.49	7.00	7.00	6.60	5.59	5.38	5.22	4.81	5.97
12	8.27	7.74	8.04	7.23	6.14	8.40	8.12	9.98	7.67	8.26	5.98	6.42	7.69
1 p. m.	8.83	9.50	9.44	8.80	7.75	10.58	11.10	13.85	11.78	11.07	7.89	7.43	9.84
2	8.99	8.94	11.36	10.58	9.38	12.07	13.51	16.30	13.88	11.15	8.08	7.78	11.00
3	8.36	7.99	12.32	8.59	9.73	12.59	14.34	15.97	13.47	11.77	8.05	7.03	10.85
4	5.67	6.32	10.03	6.75	8.99	11.50	12.81	14.11	11.47	9.32	6.60	5.29	9.07
5	3.82	4.35	7.40	5.02	5.33	7.88	8.41	9.72	7.64	5.97	4.28	3.45	6.11
6	1.37	1.54	2.81	1.55	1.88	3.04	3.00	3.13	2.43	2.09	2.41	1.34	2.22
7	0.39	0.49	1.03	0.56	0.77	0.88	0.62	0.49	0.67	0.75	1.58	0.70	0.74
8	0.36	0.14	0.52	0.61	0.28	0.24	0.15	0.13	0.21	0.49	1.12	0.52	0.40
9	0.26	0.06	0.54	0.72	0.26	0.11	0.15	0.10	0.29	0.52	0.59	0.34	0.33
10	0.34	0.17	0.31	0.56	0.18	0.08	0.31	0.05	0.37	0.39	0.35	0.34	0.29
11	0.39	0.09	0.26	0.24	0.18	0.03	0.15	0.13	0.48	0.65	0.29	0.34	0.27
12	0.28	0.06	0.28	0.08	0.39	0.05	0.21	0.05	0.24	0.05	0.27	0.21	0.18
Monthly Means.	2.79	2.78	3.38	2.70	2.72	3.50	3.92	4.20	3.55	3.18	2.52	2.29	3.13

TABLE 6. — Hourly and monthly Means of the four Components
of the Wind in the year 1883.
Velocity in kilometers per hour.

Hours of mean Batavia Time.	January.				February.				March.				
	N	E	S	W	N	E	S	W	N	E	S	W	
1 a. m.	0.22	0.01	—	0.08	0.27	—	—	0.03	0.12	0.04	—	—	
2	0.23	0.03	—	0.06	0.33	—	—	0.28	0.13	0.06	—	0.05	
3	0.48	—	—	0.23	0.41	—	0.05	0.49	0.06	0.02	—	0.02	
4	0.58	0.07	0.03	0.11	0.65	—	0.09	0.69	0.03	—	—	—	
5	0.41	0.07	0.02	0.21	0.81	—	0.06	0.68	0.15	0.01	—	—	
6	0.54	0.06	0.02	0.29	0.73	—	0.04	0.77	0.18	0.10	—	—	
7	0.39	0.02	0.02	0.34	0.35	—	—	0.51	0.16	0.27	0.02	0.02	
8	1.02	0.02	0.12	0.84	1.02	—	0.01	1.11	0.50	0.56	0.21	0.21	
9	1.71	—	0.11	1.59	1.38	0.01	0.05	1.43	0.86	2.05	0.30	0.48	
10	3.01	0.13	0.08	3.39	2.59	0.20	0.10	2.52	1.68	3.46	0.42	0.89	
11	4.93	—	0.02	3.90	4.24	0.12	0.03	2.91	1.88	4.65	0.39	0.94	
12	6.78	—	0.04	3.92	6.22	0.19	0.05	3.29	3.83	5.27	0.25	0.80	
1 p. m.	7.59	0.18	—	3.63	7.75	0.49	—	3.98	5.84	4.99	0.07	0.82	
2	7.95	—	—	3.54	7.71	—	—	3.15	9.14	4.05	0.30	1.21	
3	7.41	—	0.18	2.49	7.12	—	—	2.48	10.15	4.20	0.49	0.91	
4	5.02	—	—	1.76	5.62	—	—	1.95	7.87	4.15	0.14	0.76	
5	3.06	0.06	0.09	1.38	3.80	—	0.06	1.33	5.54	3.34	0.43	0.43	
6	1.02	0.01	0.10	0.54	1.37	—	—	0.53	1.83	1.11	0.44	0.20	
7	0.30	0.08	0.02	0.10	0.42	—	—	0.17	0.42	0.39	0.38	0.13	
8	0.19	—	0.01	0.24	0.13	—	—	0.04	0.30	0.14	0.09	0.15	
9	0.06	—	—	0.22	0.05	—	—	0.02	0.26	0.11	0.05	0.21	
10	0.19	—	—	0.22	0.12	—	—	0.09	0.16	0.10	0.02	0.10	
11	0.28	—	—	0.20	0.07	—	—	0.05	0.17	0.11	—	0.03	
12	0.27	—	—	0.05	0.03	—	0.01	0.03	0.16	0.15	—	0.03	
Monthly Means.	2.24	0.03	0.04	1.22	2.22	0.04	0.02	1.19	2.14	1.64	0.17	0.35	

TABLE 6. — Continued.

Hours of mean Batavia Time.	April.				May.				June.				
	N	E	S	W	N	E	S	W	N	E	S	W	
1 a. m.	0.05	0.02	0.08	—	0.15	0.17	—	—	0.09	0.12	—	—	
2	0.05	0.02	0.05	—	0.18	0.06	—	—	0.09	0.08	—	0.01	
3	0.08	0.08	0.05	—	0.17	0.03	—	—	0.13	0.07	—	0.02	
4	0.11	0.11	0.03	—	0.06	0.04	—	—	0.05	0.02	—	—	
5	0.08	0.08	0.12	0.05	0.07	0.07	—	—	0.08	0.07	—	—	
6	0.02	0.02	0.03	0.07	0.05	0.05	—	—	0.03	0.04	—	—	
7	0.10	0.09	0.17	0.07	0.19	0.06	—	—	0.05	0.09	—	—	
8	0.25	0.18	0.23	0.26	0.58	0.42	—	—	0.56	0.92	0.06	—	
9	0.52	0.68	0.55	0.53	1.24	1.59	0.22	—	0.90	2.02	0.42	—	
10	0.90	2.20	0.81	0.90	1.39	3.36	0.56	0.02	1.35	4.41	0.53	—	
11	1.38	3.37	1.07	1.11	1.72	4.49	0.62	—	1.54	6.23	0.72	—	
12	2.71	4.37	0.54	1.56	2.16	4.75	0.41	0.11	2.46	7.39	0.54	—	
1 p. m.	5.26	4.00	0.39	1.34	3.49	6.05	—	—	4.59	8.48	0.19	—	
2	7.45	4.39	0.23	1.34	5.35	6.71	0.47	0.08	7.97	7.77	—	—	
3	6.14	3.49	0.45	0.61	7.87	4.57	0.05	—	9.58	6.36	—	—	
4	4.78	2.92	0.36	0.39	7.31	4.53	—	0.06	8.19	7.27	—	—	
5	2.77	2.18	0.66	0.70	4.12	2.75	—	0.02	5.27	5.41	—	0.03	
6	0.77	0.61	0.29	0.33	1.50	0.99	—	0.02	1.99	2.16	—	—	
7	0.19	0.27	0.07	0.17	0.64	0.40	—	—	0.59	0.58	—	0.04	
8	0.40	0.16	0.02	0.13	0.24	0.14	—	—	0.11	0.14	0.06	0.02	
9	0.20	0.14	0.35	0.10	0.22	0.12	—	—	0.05	0.06	0.02	0.01	
10	0.20	0.18	0.26	0.03	0.16	0.08	—	—	0.04	0.06	0.02	—	
11	0.13	0.07	0.03	0.05	0.17	0.06	—	—	0.01	0.02	—	—	
12	0.05	0.03	0.02	—	0.19	0.25	—	—	0.04	0.02	—	0.01	
Monthly Means.	1.44	1.24	0.29	0.41	1.63	1.74	0.10	0.01	1.91	2.49	0.11	0.01	

TABLE 6. - Continued.

Hours of mean Batavia Time.	July.				August.				September.				
	N	E	S	W	N	E	S	W	N	E	S	W	
1 a. m.	0.10	0.11	—	—	—	—	—	0.03	0.07	0.02	—	0.01	
2	0.23	0.20	—	—	—	—	—	0.03	0.05	0.01	—	0.01	
3	0.12	0.20	0.05	—	0.19	0.08	—	0.03	0.10	0.04	—	—	
4	0.14	0.22	0.05	—	0.04	0.03	0.02	—	0.05	—	—	0.02	
5	0.25	0.27	0.02	—	0.05	0.06	0.08	—	0.21	0.01	—	—	
6	0.35	0.20	0.02	0.02	0.03	0.06	0.14	—	0.21	0.30	—	—	
7	0.46	0.29	—	0.05	0.03	0.06	0.11	—	0.20	0.18	0.08	0.03	
8	1.02	1.31	0.06	0.03	0.51	0.51	0.27	—	0.66	0.42	0.23	—	
9	1.25	2.54	1.15	0.10	1.48	2.08	0.46	0.11	1.05	1.63	0.48	0.13	
10	1.55	4.94	0.28	0.07	1.77	4.10	0.54	0.03	1.54	3.10	0.52	0.12	
11	1.62	6.09	0.34	0.03	2.41	5.45	0.34	0.08	2.05	3.74	0.87	0.12	
12	2.85	6.93	0.35	0.06	5.58	6.89	0.26	0.13	4.53	4.35	0.17	0.36	
1 p. m.	7.43	6.90	—	—	10.91	6.80	0.03	0.07	9.15	5.51	0.01	0.25	
2	11.45	5.80	0.06	—	13.65	7.64	0.02	0.05	12.45	4.37	—	0.37	
3	11.71	6.85	—	0.13	12.80	7.87	—	—	12.25	3.89	—	0.30	
4	10.37	6.61	—	0.03	11.31	7.01	—	—	9.76	4.95	0.01	0.16	
5	6.29	5.08	—	0.03	7.42	5.53	—	—	6.24	3.46	0.20	0.08	
6	2.21	1.89	—	0.01	2.23	1.89	0.07	0.02	1.93	1.29	0.04	—	
7	0.41	0.45	—	—	0.33	0.29	0.02	0.02	0.51	0.35	—	0.03	
8	0.10	0.12	—	—	0.10	0.05	—	0.04	0.16	0.12	—	—	
9	0.10	0.11	—	—	0.06	0.04	—	0.05	0.26	0.12	—	—	
10	0.23	0.19	—	—	0.03	0.02	—	0.02	0.33	0.09	—	0.07	
11	0.12	0.09	—	—	0.09	0.02	—	0.05	0.31	0.29	—	0.02	
12	0.14	0.14	—	—	0.02	—	—	0.05	0.19	0.10	—	0.03	
Monthly Means.	2.52	2.40	0.10	0.02	2.96	2.35	0.10	0.03	2.68	1.60	0.11	0.10	

TABLE 6. - Continued.

Hours of mean Batavia Time.	October.				November.				December.				
	N	E	S	W	N	E	S	W	N	E	S	W	
1 a. m.	0.07	0.03	—	—	—	—	0.01	0.10	0.05	—	0.03	0.11	
2	0.16	0.17	0.01	—	0.02	0.01	—	0.05	0.07	—	0.02	0.10	
3	0.17	0.08	0.02	0.02	—	—	—	0.05	0.10	—	0.05	0.32	
4	0.07	0.03	—	—	—	—	0.02	0.10	0.04	—	0.02	0.10	
5	0.17	0.07	—	—	—	—	0.03	0.13	0.04	—	—	0.08	
6	0.09	0.03	—	—	—	—	0.01	0.26	0.04	—	—	0.07	
7	0.10	0.05	—	—	0.17	0.06	0.03	0.26	0.13	—	0.01	0.22	
8	0.50	0.36	0.19	0.08	0.43	0.27	0.08	0.37	0.55	0.11	0.31	0.50	
9	1.20	1.35	0.43	0.13	0.71	0.69	0.40	0.67	1.21	0.38	0.12	1.17	
10	1.49	2.93	0.97	0.15	1.30	1.68	0.53	0.96	2.24	0.62	0.21	2.11	
11	1.92	4.06	0.38	0.11	2.05	2.77	0.58	1.33	2.72	1.00	0.13	2.16	
12	4.73	5.50	0.33	0.13	2.53	2.89	0.70	1.54	4.02	1.28	0.13	2.31	
1 p. m.	8.66	4.46	0.34	—	4.80	3.65	0.40	1.29	5.32	1.35	0.23	2.62	
2	9.23	4.31	0.04	—	5.72	3.22	0.12	1.07	6.14	1.65	0.16	2.06	
3	8.20	6.08	0.42	0.15	6.08	2.82	0.14	0.92	5.18	0.97	0.32	2.22	
4	6.98	4.72	0.17	0.02	4.48	2.49	0.21	1.16	3.58	0.92	0.47	1.72	
5	4.69	2.90	—	0.02	2.14	1.71	0.43	0.81	2.12	0.70	0.59	0.92	
6	1.58	1.03	0.02	—	0.61	0.79	0.90	0.56	0.71	0.28	0.22	0.52	
7	0.60	0.31	0.02	0.02	0.59	0.73	0.26	0.46	0.35	0.13	0.12	0.28	
8	0.36	0.24	—	0.04	0.44	0.30	0.13	0.56	0.33	0.09	0.06	0.17	
9	0.41	0.16	—	0.07	0.01	0.12	0.10	0.42	0.09	—	0.07	0.10	
10	0.29	0.16	0.02	0.04	0.02	0.01	0.01	0.32	0.18	0.03	0.05	0.18	
11	0.25	0.14	0.26	0.18	0.09	0.02	0.03	0.18	0.16	0.02	0.07	0.20	
12	0.01	0.02	0.02	0.02	0.04	0.03	0.03	0.21	0.12	—	0.02	0.11	
Monthly Means.	2.17	1.63	0.15	0.05	1.34	1.01	0.22	0.57	1.48	0.40	0.14	0.85	

T A B L E 7. — Daily Means of the North and East Components of the Wind in 1883.
Velocity in kilometers per hour.

	January.		February.		March.		April.		May.		June.		July.		August.		September.		October.		November.		December.	
	N	E	N	E	N	E	N	E	N	E	N	E	N	E	N	E	N	E	N	E	N	E	N	E
1	0.71	-2.18	2.29	0.06	3.22	0.97	0.25	-2.00	1.56	2.23	1.99	0.44	2.50	1.98	3.26	1.78	2.22	1.28	1.85	1.11	2.59	1.36	1.21	1.48
2	1.46	-1.75	1.97	-1.35	4.29	0.88	1.04	-1.83	-0.60	4.10	2.33	1.84	2.83	1.91	3.05	1.03	1.78	1.66	3.32	2.31	2.77	1.96	2.54	0.95
3	3.60	-1.14	0.81	-0.97	3.39	1.19	1.51	0.13	0.26	0.78	1.41	2.25	2.42	1.64	3.15	1.42	1.89	-0.09	2.42	1.04	1.80	0.51	1.57	0.65
4	3.17	-1.90	1.64	-1.70	2.44	1.92	0.03	-2.14	1.55	1.93	0.83	3.85	2.19	0.72	2.55	1.61	2.60	1.64	3.75	2.29	2.94	1.22	1.07	0.34
5	3.69	-1.30	3.35	-1.98	3.23	1.84	-1.08	-1.77	0.32	0.68	1.08	2.87	2.69	1.37	3.17	1.77	3.57	1.58	3.39	0.50	1.86	1.01	0.36	-1.99
6	2.82	-1.07	1.56	-1.74	1.02	0.19	-0.97	-2.43	0.52	0.92	1.58	2.09	2.02	1.17	2.58	5.36	2.13	2.10	4.59	1.81	1.36	1.69	-1.24	-1.94
7	4.67	-2.45	0.32	-0.76	2.09	1.71	-0.27	0.20	1.55	0.92	1.81	3.15	1.09	3.43	1.51	6.48	3.16	1.41	1.74	1.06	1.49	1.56	0.51	-2.07
8	3.36	-1.28	2.38	-2.97	2.88	2.97	1.58	1.32	1.34	2.04	0.57	4.09	2.27	1.27	1.84	6.15	3.37	1.85	0.56	0.29	1.20	2.83	-0.17	-1.09
9	2.03	-0.96	0.24	-1.21	2.97	3.77	2.11	0.85	2.54	1.90	1.53	3.60	2.54	0.69	3.58	4.53	3.34	2.61	1.24	0.16	-0.33	0.76	-0.26	-1.08
10	2.40	-0.37	0.28	-1.10	2.14	2.17	0.74	0.20	2.27	1.72	1.02	0.61	2.60	0.24	2.41	2.46	2.69	0.97	1.79	-0.23	0.12	0.12	1.49	-0.32
11	1.14	-0.49	2.71	-1.90	2.26	2.49	1.03	0.80	2.53	2.34	1.21	0.58	1.48	4.30	3.54	2.28	2.98	0.85	1.94	1.81	2.53	1.17	1.00	-0.42
12	2.38	-0.69	5.86	-2.26	1.21	1.92	2.12	0.97	2.64	2.39	1.10	1.83	1.63	6.14	2.94	2.56	2.02	1.42	0.62	3.45	2.52	0.81	0.44	-0.89
13	1.79	-0.92	3.77	-1.74	0.90	1.56	2.52	1.22	1.37	1.19	0.94	3.52	3.33	6.14	3.30	1.97	1.19	0.43	0.92	5.98	0.98	-1.59	1.12	-1.34
14	2.09	-0.13	0.70	-0.66	1.34	3.73	2.15	0.35	2.93	1.31	2.78	1.91	3.23	4.98	3.40	1.57	1.30	-1.70	1.86	4.14	-1.15	-3.79	2.25	-3.48
15	1.14	-0.73	1.41	-0.66	1.58	3.98	1.89	0.74	2.10	3.07	2.13	2.89	3.51	5.23	3.30	2.58	2.42	0.17	3.01	2.17	-0.46	-4.16	2.56	-2.20
16	1.88	-0.89	1.72	-0.59	1.74	3.50	3.46	1.83	0.81	0.90	1.57	4.07	2.55	4.33	3.41	2.75	3.16	0.73	2.90	0.77	0.34	-3.75	1.59	0.29
17	3.18	-1.55	2.29	-1.38	3.35	1.88	3.21	2.13	0.91	0.59	1.07	3.43	2.57	1.70	3.51	1.86	0.17	1.09	3.51	1.57	1.29	-3.25	1.93	0.10
18	2.32	-2.12	2.21	-1.68	2.72	0.23	1.86	2.41	1.86	0.58	2.36	2.23	2.79	2.39	3.09	1.91	2.17	2.68	1.94	1.09	2.46	-0.69	0.70	-1.12
19	3.99	-2.05	1.45	-0.78	3.39	1.77	1.74	0.76	1.49	2.09	-0.63	1.73	2.95	2.45	1.64	2.43	1.82	1.96	2.89	1.78	0.67	0.31	0.77	-0.64
20	3.18	-1.04	1.64	-1.70	1.89	3.70	1.31	0.16	1.96	1.87	2.89	1.94	2.45	1.12	3.51	1.63	3.05	0.91	1.08	3.14	0.79	0.68	0.75	-2.07
21	3.09	-0.21	2.59	-2.02	3.21	2.82	0.96	2.79	1.03	1.53	3.00	3.10	1.49	1.40	3.41	0.57	2.80	0.77	2.05	2.44	0.17	0.40	3.26	-1.03
22	2.44	-1.15	2.47	-1.30	1.39	2.93	1.29	2.48	1.10	1.68	3.44	2.19	2.68	1.16	2.84	1.90	2.65	1.10	2.73	0.90	0.14	0.76	0.95	-1.02
23	2.35	-1.04	2.22	-1.58	2.14	0.76	-0.12	2.26	2.18	1.50	2.81	1.98	2.28	3.16	3.73	2.90	3.41	2.14	2.29	0.31	-0.75	3.76	1.66	-1.70
24	2.14	-1.76	2.74	-0.07	1.89	-0.75	0.53	1.87	1.52	1.21	2.33	2.64	2.77	2.01	3.39	3.19	2.17	0.77	2.55	0.93	0.62	3.03	1.68	0.04
25	1.46	-0.91	3.08	0.04	0.19	-1.13	2.05	1.78	1.86	1.98	2.11	3.94	2.48	2.88	3.62	2.58	3.14	0.94	1.73	2.53	2.00	1.86	2.70	0.41
26	2.21	-0.67	3.73	-0.16	1.43	0.39	-0.94	1.80	1.53	-0.03	2.26	2.57	2.39	2.31	2.44	0.79	2.84	1.91	1.85	1.04	1.18	1.18	2.43	-0.55
27	1.38	-0.71	2.63	-0.28	1.85	-0.75	1.23	1.77	2.10	2.23	2.50	1.66	2.48	1.93	-0.24	0.28	3.75	2.39	1.90	1.79	1.43	0.36	2.11	0.14
28	0.02	-1.68	3.35	0.36	1.72	-2.50	-0.31	1.16	1.01	4.12	2.47	2.44	2.09	1.81	1.76	0.06	3.49	4.78	0.49	0.80	0.27	0.87	2.04	1.65
29	0.19	-1.24			0.26	-0.95	1.38	1.77	1.52	2.43	1.02	4.18	2.37	2.80	4.03	1.30	3.64	3.42	0.83	0.36	0.95	0.24	1.87	2.47
30	1.43	-1.32			-0.25	-1.22	2.30	3.27	1.64	2.37	2.50	0.96	1.83	0.26	2.29	2.91	2.21	3.12	-1.24	0.47	1.95	1.87	1.24	1.85
31	0.42	-1.25			-0.57	-1.86			2.23	0.92			2.53	0.68	2.80	1.31			1.94	1.36			1.73	0.07
Monthly Means.	2.20	-1.19	2.19	-1.15	1.98	1.29	1.15	0.83	1.54	1.73	1.80	2.49	2.42	2.37	2.86	2.32	2.57	1.50	2.01	1.59	1.12	0.44	1.35	-0.47

TABLE 8. — Hourly, monthly and annual mean amount of Cloud in 1883.
A sky free from cloud is represented by 0, entirely overcast by 10.

Hours of mean Batavia Time.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual Means.
1 a. m.	7.5	7.0	5.2	6.0	4.7	5.2	3.7	3.5	5.3	5.7	6.5	6.0	5.53
2	7.4	6.7	5.1	5.6	4.0	4.3	2.8	3.2	4.7	5.5	6.4	5.9	5.13
3	7.5	7.6	5.0	5.6	3.5	4.0	2.9	2.8	4.1	5.2	6.3	5.9	5.03
4	7.7	7.4	4.6	5.1	3.6	3.7	3.0	2.5	4.0	4.8	6.1	5.7	4.85
5	7.4	6.6	4.7	6.0	4.2	4.0	3.1	3.0	4.2	4.7	6.7	6.0	5.05
6	8.3	8.2	5.5	6.7	5.5	5.2	4.2	3.9	5.1	5.7	6.9	6.5	5.98
7	8.1	8.1	6.0	6.6	5.5	4.8	4.0	3.3	5.8	6.5	6.0	6.2	5.91
8	7.6	7.8	5.5	5.7	4.6	3.7	3.0	2.6	5.0	6.2	5.9	5.9	5.29
9	7.9	7.6	5.1	5.5	4.5	3.4	3.1	2.8	4.6	5.9	6.2	6.2	5.23
10	7.9	7.7	5.2	5.4	4.6	3.6	3.3	2.9	5.0	6.4	6.9	6.6	5.47
11	7.8	7.6	5.8	6.5	5.0	4.0	3.7	3.7	6.2	6.7	7.5	6.9	5.95
12	7.9	7.6	6.0	6.0	4.9	4.2	4.3	3.7	6.6	6.8	7.6	6.9	6.04
1 p. m.	7.5	7.5	6.0	6.2	5.0	4.1	4.0	3.5	5.5	6.4	7.4	6.9	5.83
2	6.9	6.9	5.7	5.9	4.8	3.5	3.0	3.0	4.8	6.4	7.5	7.0	5.45
3	7.1	7.3	6.0	6.1	4.4	3.3	2.7	2.7	4.8	5.9	7.7	6.8	5.40
4	6.8	6.9	5.7	6.1	4.5	3.0	2.0	2.5	5.1	5.9	7.8	7.4	5.31
5	6.8	6.5	6.1	6.5	5.3	3.5	2.7	2.8	5.9	7.4	8.5	7.2	5.77
6	7.6	6.6	6.8	7.4	5.9	4.5	3.8	3.8	6.2	7.5	8.4	7.7	6.35
7	7.2	6.2	6.3	6.6	5.3	4.0	4.4	5.0	6.4	6.6	8.2	7.6	6.15
8	7.2	6.6	6.4	6.9	4.9	4.8	4.9	4.6	6.7	5.9	7.9	6.9	6.14
9	7.1	6.2	6.8	6.4	5.3	5.1	5.3	5.0	6.5	6.5	7.7	6.5	6.20
10	7.4	6.0	6.0	6.0	4.7	5.1	4.9	5.1	6.5	6.3	7.4	6.8	6.02
11	7.3	6.0	5.5	6.3	5.0	4.6	5.0	4.4	5.9	6.4	7.1	6.6	5.84
12	7.0	6.6	5.5	6.2	4.9	5.3	4.1	3.9	5.2	5.9	6.6	6.5	5.64
Monthly Means.	7.45	7.05	5.69	6.14	4.78	4.20	3.66	3.51	5.42	6.13	7.13	6.61	5.65

TABLE 9. — Absolute maxima and minima in 1883.

	Barometric pressure in millimetres.		Temperature of the air. Centesimal degrees.		Relative humidity of the air. Saturation = 1000.		Tension of the atmospheric vapour in millimetres.		Velocity of the wind k. p. h.
	Maximum.	Minimum.	Maximum.	Minimum.	Maximum.	Minimum.	Maximum.	Minimum.	Maximum.
January. . . .	763.54	753.81	32.9	21.7	983	441	23.24	15.53	16.1
February. . . .	761.75	754.81	30.6	20.8	983	570	23.23	16.37	18.5
March.	761.69	755.42	31.6	22.3	973	499	23.48	17.17	18.5
April.	760.83	754.44	31.1	21.8	974	570	23.79	17.05	17.7
May	760.95	754.58	31.3	21.4	983	513	23.58	15.96	19.3
June	761.48	756.15	32.1	21.7	938	440	22.70	14.92	18.5
July	762.19	756.42	32.2	20.8	929	399	22.25	13.87	19.3
August	764.05	756.48	32.9	19.4	944	379	21.59	13.50	24.9
September. . . .	762.56	756.37	32.4	21.8	966	428	21.93	14.81	21.7
October	762.24	755.48	32.2	21.8	982	448	22.79	14.67	22.5
November.	760.54	754.87	31.5	22.4	982	569	22.93	17.63	15.3
December.	762.21	756.32	31.1	21.2	965	544	22.79	16.31	15.3
Year.	764.05	753.81	32.9	19.4	983	379	23.79	13.50	24.9

T A B L E 10. — Maxima and minima of daily means in 1883.

	Barometric pressure in millimetres.		Temperature of the air. Centesimal degrees.		Relative humidity of the air. Saturation = 1000.		Tension of atmospheric vapour in millimetres.		Velocity of the wind in k. p. h.	
	Maximum.	Minimum.	Maximum.	Minimum.	Maximum.	Minimum.	Maximum.	Minimum.	Maximum.	Minimum.
January . .	762.07	756.14	27.10	23.98	927	693	21.68	17.82	5.46	1.27
February . .	760.04	756.28	26.34	23.74	948	776	21.61	19.11	6.50	1.00
March . . .	760.19	757.38	27.28	24.68	895	787	22.12	20.36	5.17	1.43
April . . .	759.48	756.15	26.25	25.26	912	787	21.76	19.76	4.33	1.30
May . . .	759.64	756.33	27.32	24.75	926	757	22.28	18.50	4.67	0.83
June . . .	760.13	757.89	27.60	25.31	843	723	21.30	18.20	4.90	1.40
July . . .	760.71	758.27	26.85	25.31	800	683	20.90	16.58	7.44	2.04
August . .	760.27	758.21	26.82	22.53	901	670	20.15	15.81	6.87	0.63
September .	760.58	758.47	26.95	24.37	830	677	19.90	17.46	6.14	1.33
October . .	760.43	757.55	27.22	24.37	917	687	20.86	17.72	6.37	0.63
November .	758.93	756.73	26.86	24.04	943	757	21.24	19.19	4.31	0.17
December .	760.98	758.08	26.56	23.14	929	744	20.38	18.07	4.29	1.00
Year.	762.07	756.14	27.60	22.53	948	670	22.28	15.81	7.44	0.17

T A B L E 11. — Maxima and minima of daily oscillation or range in 1883.

	Barometric pressure in millimetres.		Temperature of the air. Centesimal degrees.		Relative humidity of the air. Saturation = 1000.		Tension of the atmospheric vapour in millimetres.	
	Maximum.	Minimum.	Maximum.	Minimum.	Maximum.	Minimum.	Maximum.	Minimum.
January	3.93	2.45	11.2	3.2	477	135	4.76	1.06
February	3.87	2.02	9.2	3.4	364	89	5.40	1.42
March	4.12	2.34	8.7	4.6	432	195	5.43	1.93
April	4.00	2.53	8.3	4.6	370	172	4.53	1.36
May	4.10	2.34	9.7	1.9	417	97	4.20	1.82
June	3.50	2.43	10.1	5.7	470	277	5.33	1.61
July	3.74	2.27	10.1	5.5	494	273	6.22	2.04
August	5.56	2.62	11.6	4.6	514	114	5.82	1.75
September	4.42	2.69	10.3	3.9	464	166	5.06	1.66
October	4.02	2.59	9.2	3.0	490	171	5.25	1.47
November	3.64	2.24	8.5	2.8	368	96	4.37	1.74
December	3.96	2.13	8.2	3.8	378	140	5.46	1.32
Year.	5.56	2.02	11.6	1.9	514	89	6.22	1.06

T A B L E 12. — Mean daily oscillation or range in 1883.

	Barometric pressure in millimetres.	Temperature of the air. Centesimal degrees.	Relative humidity of the air. Saturation = 1000.	Tension of the atmo- spheric vapour in millimetres.
January	3.12	5.1	244	2.56
February	3.14	5.3	225	2.94
March	3.36	6.8	301	3.10
April	3.28	6.7	286	2.86
May	3.03	7.2	317	3.27
June	2.95	7.8	356	3.16
July	3.01	8.1	372	3.72
August	3.27	8.5	363	3.54
September	3.40	7.4	338	3.05
October	3.38	7.2	338	3.34
November	3.04	6.2	275	2.68
December	3.02	6.4	281	2.73
Year	3.17	6.9	308	3.08

METEOROLOGICAL OBSERVATIONS.

1884.

BAROMETRIC PRESSURE.

BAROMETER AT 0°C = 750 MILLIMETRES + THE NUMBERS IN THE TABLE.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
J A N U A R Y.	1	9.22	8.95	8.83	8.86	9.02	9.43	9.69	10.00	10.11	9.74	9.34	8.85	—
	2	9.49	9.35	9.26	9.37	9.38	9.74	10.00	10.24	10.65	10.64	10.46	9.98	—
	3	9.85	9.36	9.38	9.49	9.91	10.39	10.81	11.00	10.83	10.70	10.29	9.81	—
	4	9.40	8.88	8.83	8.93	9.18	9.73	10.00	10.44	10.69	10.63	10.44	10.35	—
	5	9.25	9.01	8.86	8.92	9.51	9.98	10.65	11.06	11.15	10.84	10.55	9.90	—
	6	10.21	9.89	9.71	9.58	9.91	10.39	10.84	11.03	11.26	10.99	10.63	10.07	—
	7	10.38	10.03	9.78	9.73	10.60	10.70	11.08	11.93	11.86	11.70	11.23	10.62	—
	8	10.40	10.28	9.59	9.59	9.90	10.70	11.13	11.40	11.53	11.10	10.88	10.18	—
	9	9.78	9.13	8.75	8.58	9.04	9.57	10.14	10.76	11.01	11.38	11.01	10.50	—
	10	10.53	9.84	9.60	9.51	9.64	10.06	10.61	10.86	11.04	11.15	10.99	10.42	—
	11	10.11	9.40	8.90	8.75	9.00	9.47	9.95	10.76	10.84	10.70	10.31	9.97	—
	12	9.47	8.33	8.11	8.21	8.66	9.01	9.51	9.96	10.53	10.41	10.14	9.83	—
	13	9.95	9.52	9.37	9.39	9.41	9.81	10.22	10.82	10.98	10.58	10.30	10.00	—
	14	9.38	9.11	8.82	8.72	9.00	9.39	9.85	10.14	10.20	10.13	9.64	8.95	—
	15	8.20	7.97	7.98	7.98	8.18	8.73	9.16	9.58	9.48	9.30	9.16	8.75	—
	16	8.67	8.37	8.23	8.23	8.20	8.87	9.26	9.59	9.75	9.19	8.79	8.48	—
	17	8.91	8.72	9.07	8.85	9.16	9.38	9.83	9.93	10.13	9.98	9.70	9.16	—
	18	8.90	8.55	8.30	8.26	8.41	9.02	9.37	9.54	9.83	10.16	9.93	9.58	—
	19	8.61	8.30	7.97	8.03	8.43	8.80	9.20	9.61	9.68	9.81	9.40	8.91	—
	20	8.92	8.50	8.25	8.46	8.73	9.23	9.66	10.23	10.45	10.30	10.02	9.39	—
	21	9.11	8.52	8.07	8.07	8.24	8.52	9.15	9.63	9.82	9.57	9.33	8.60	—
	22	8.38	7.93	7.53	7.65	7.78	8.13	8.55	8.98	9.56	9.35	8.77	8.31	—
	23	8.02	7.87	7.45	7.76	7.73	8.15	8.91	9.43	9.80	9.60	9.25	8.89	—
	24	9.03	8.73	8.48	8.71	8.91	9.55	9.68	9.93	10.13	9.87	9.47	9.05	—
	25	9.32	8.84	8.35	8.61	8.88	9.35	9.84	9.96	10.15	10.34	9.93	9.42	—
	26	9.34	8.84	8.86	8.62	8.50	8.97	9.48	10.13	10.69	10.52	9.88	9.36	—
	27	9.59	9.17	9.00	8.86	8.93	9.01	9.58	10.36	10.65	10.55	10.25	9.58	—
	28	9.37	8.91	8.64	8.56	8.62	9.10	9.80	10.26	10.31	10.17	9.89	9.32	—
	29	9.71	9.12	8.87	8.87	9.38	9.66	10.08	10.43	10.40	10.14	9.68	9.13	—
	30	9.55	9.43	9.39	9.33	9.53	9.89	10.11	10.46	10.45	10.27	9.90	9.32	—
	31	9.60	9.36	9.02	9.03	9.18	9.43	9.80	9.98	9.85	10.00	9.63	9.38	—
Hourly Means.		9.38	8.97	8.75	8.76	9.00	9.42	9.87	10.27	10.45	10.32	9.97	9.49	—
Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
J A N U A R Y.	1	8.16	7.58	7.13	6.86	7.32	8.30	9.11	9.57	10.13	10.39	10.34	9.93	9.04
	2	9.63	8.79	8.37	8.10	8.35	8.57	8.95	9.52	9.79	10.42	10.39	10.22	9.57
	3	9.07	8.24	7.93	7.88	8.51	8.48	9.42	9.77	10.00	10.12	9.95	9.76	9.62
	4	9.35	8.70	7.90	7.69	8.09	8.54	9.16	9.38	9.78	10.22	10.24	9.83	9.43
	5	9.56	8.72	8.07	8.03	8.44	8.92	9.69	10.14	10.67	10.85	10.79	10.63	9.76
	6	9.19	8.52	7.82	8.14	9.29	9.87	10.63	10.83	11.27	11.44	11.70	11.16	10.18
	7	9.64	8.75	8.38	8.57	8.64	9.69	10.68	10.93	11.25	11.34	11.01	10.80	10.39
	8	9.27	8.53	8.98	8.82	8.72	9.11	9.66	10.29	10.79	10.90	10.91	10.73	10.14
	9	9.75	8.96	8.66	8.47	8.57	9.55	10.16	10.83	11.28	11.48	11.89	11.45	10.03
	10	9.65	9.04	8.51	8.41	8.55	8.97	10.09	10.68	10.66	10.73	11.03	10.90	10.06
	11	9.35	8.64	8.96	8.91	9.29	9.46	9.53	10.10	10.71	10.78	10.48	10.24	9.78
	12	9.40	8.85	8.12	8.02	8.12	8.57	9.30	9.38	9.75	10.31	10.38	10.20	9.27
	13	9.17	8.40	7.60	7.48	7.85	8.34	8.74	9.23	9.65	9.79	9.84	9.70	9.42
	14	8.59	7.82	6.79	6.93	7.68	8.41	8.71	9.02	9.59	9.75	9.73	9.12	8.98
	15	8.04	7.38	6.75	6.69	7.18	7.63	8.51	8.90	9.19	9.21	9.01	8.84	8.41
	16	7.96	7.48	6.78	6.68	7.13	7.81	8.37	8.82	9.15	9.40	9.75	9.60	8.52
	17	8.59	8.14	7.39	7.08	7.20	7.68	8.23	8.70	9.22	9.80	9.81	9.51	8.92
	18	9.27	8.70	8.01	7.80	7.75	7.99	8.50	9.17	9.38	9.74	9.45	9.04	8.94
	19	8.55	7.73	7.09	7.00	7.38	7.88	8.50	9.12	9.38	9.70	9.72	9.60	8.68
	20	8.70	7.95	7.28	6.68	6.83	7.68	8.58	8.92	9.44	9.67	9.63	9.49	8.87
	21	7.61	6.83	6.43	6.22	7.03	7.60	8.21	8.91	9.51	9.49	9.27	8.77	8.44
	22	7.71	7.09	6.38	6.41	6.81	6.90	7.45	8.05	8.46	8.79	9.01	8.82	8.03
	23	8.28	7.80	7.10	6.90	6.85	7.56	8.20	8.87	9.73	9.93	9.71	9.53	8.47
	24	8.52	7.63	6.73	6.54	7.12	7.68	8.50	8.94	9.43	9.78	9.90	9.73	8.84
	25	8.63	8.43	7.78	7.49	7.58	7.99	9.11	9.72	10.09	9.97	9.89	9.79	9.14
	26	8.50	8.32	7.91	7.65	7.48	7.96	8.60	9.50	10.03	10.29	10.60	10.33	9.18
	27	8.77	8.09	7.73	7.32	7.51	8.14	8.70	9.14	9.42	9.70	9.88	9.70	9.15
	28	8.96	7.98	7.90	7.68	7.71	8.29	8.86	9.63	9.95	10.25	10.48	10.15	9.20
	29	8.55	7.84	7.31	6.92	7.08	7.93	8.59	9.28	9.58	9.95	10.33	10.09	9.12
	30	8.64	7.89	7.53	7.32	7.73	7.90	8.73	9.19	9.64	10.07	10.27	10.04	9.27
	31	8.70	8.01	7.38	7.04	7.36	7.80	8.57	8.80	9.18	9.84	9.73	9.34	9.00
Hourly Means.		8.83	8.16	7.64	7.48	7.78	8.30	8.97	9.46	9.87	10.13	10.17	9.90	9.22

STANDARD THERMOMETER.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
J A N U A R Y.	1	72.7	72.4	72.0	72.0	71.6	71.1	71.9	75.8	79.8	82.6	84.4	85.2	—
	2	74.8	74.3	74.1	74.0	73.5	73.0	74.0	77.6	81.0	82.3	83.9	84.6	—
	3	74.7	73.9	73.2	72.9	72.4	72.0	73.2	76.0	79.2	82.0	83.5	85.2	—
	4	74.0	73.2	73.1	73.0	73.4	74.0	75.3	76.8	80.7	82.3	82.0	76.6	—
	5	74.8	74.6	74.0	73.2	72.8	72.0	72.6	75.4	78.1	80.7	81.6	83.6	—
	6	74.9	74.4	74.0	73.5	73.0	72.6	73.2	76.4	79.3	81.9	83.3	84.4	—
	7	74.5	74.4	74.2	74.1	73.7	73.2	73.9	74.9	77.0	79.0	81.9	81.7	—
	8	73.4	73.2	73.9	73.4	73.1	72.6	72.4	72.5	74.7	77.8	79.0	81.2	—
	9	73.9	73.6	73.0	72.3	72.5	72.1	73.0	74.3	75.8	76.3	75.3	76.0	—
	10	72.1	71.9	71.7	71.5	71.5	71.3	72.2	74.0	76.1	78.7	79.0	79.8	—
	11	74.0	73.8	73.6	73.6	73.3	73.1	73.3	73.1	74.7	76.9	79.9	81.3	—
	12	72.2	71.8	72.0	72.4	72.1	72.3	73.0	76.1	77.1	79.0	80.8	82.5	—
	13	74.0	73.3	72.4	71.8	71.4	71.0	71.6	75.0	78.5	80.8	81.2	82.5	—
	14	75.5	75.5	75.5	75.9	76.0	75.5	75.4	76.7	79.3	79.0	81.2	83.0	—
	15	74.7	74.2	74.0	74.6	74.7	75.3	75.0	75.4	77.2	79.0	78.0	81.2	—
	16	75.0	75.3	74.0	73.5	72.8	72.2	72.8	74.0	76.8	78.7	79.9	81.5	—
	17	76.0	75.6	75.3	73.7	73.2	73.5	73.3	73.5	75.3	78.0	80.3	78.4	—
	18	74.0	74.2	73.9	73.6	73.5	73.4	74.0	75.6	77.2	75.0	74.8	78.6	—
	19	74.7	74.7	74.2	74.2	74.0	73.5	74.4	75.3	77.1	78.4	77.4	79.6	—
	20	73.8	74.2	74.1	73.0	73.2	73.6	73.7	74.1	74.6	77.5	79.5	81.0	—
	21	76.0	76.0	75.8	75.7	74.9	74.5	75.1	78.0	80.0	81.3	81.5	81.2	—
	22	73.5	73.6	74.0	73.8	73.8	74.0	74.2	75.5	76.5	78.0	79.0	79.9	—
	23	76.1	75.6	75.0	74.6	74.4	74.3	74.5	75.5	76.3	78.1	79.0	80.5	—
	24	74.2	73.9	73.7	73.2	72.9	73.2	73.4	75.0	77.8	80.8	82.5	84.4	—
	25	75.4	75.1	74.8	74.3	74.0	74.0	74.6	76.3	77.9	80.0	81.1	83.3	—
	26	77.7	77.0	76.5	76.2	76.0	75.5	75.0	76.0	78.0	81.3	83.0	82.8	—
	27	75.4	74.9	74.5	74.0	73.6	73.3	73.5	75.0	78.4	80.8	83.9	86.5	—
	28	75.7	75.2	74.4	73.8	73.4	73.1	73.7	75.1	78.8	81.7	83.2	84.8	—
	29	74.6	74.3	73.6	73.3	73.3	73.5	74.4	76.0	79.1	79.8	81.0	82.9	—
	30	74.3	74.3	74.1	74.0	74.0	73.7	74.0	75.0	76.9	79.0	81.1	82.0	—
	31	74.4	74.3	74.2	73.8	74.1	73.9	74.2	76.2	79.0	81.2	82.4	83.1	—
Hourly Means.		74.55	74.28	73.96	73.64	73.42	73.24	73.70	75.36	77.68	79.61	80.79	81.91	—
Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
J A N U A R Y.	1	85.0	85.0	84.5	83.5	83.0	82.2	80.0	77.6	76.4	75.4	75.1	75.0	78.09
	2	76.7	81.8	82.9	82.9	82.3	81.2	79.5	78.6	77.3	76.2	75.4	74.6	78.19
	3	84.7	85.4	85.0	83.9	83.0	79.1	77.3	76.7	75.2	75.0	74.7	74.1	78.01
	4	77.5	79.0	80.9	80.7	81.3	80.5	79.3	78.0	77.1	76.1	75.8	75.2	77.33
	5	83.9	83.4	83.1	82.6	81.6	80.6	79.6	78.5	77.5	76.4	75.8	75.3	77.99
	6	84.1	84.0	83.2	83.0	77.6	77.0	75.5	75.4	75.2	75.0	74.8	74.6	77.51
	7	82.1	82.5	82.0	81.9	79.0	78.5	77.3	75.5	75.4	75.2	74.8	74.0	77.11
	8	81.6	82.5	78.1	75.3	76.6	76.2	75.2	75.0	74.8	74.7	74.4	74.1	75.65
	9	75.9	76.5	75.8	76.2	76.4	76.0	75.5	75.2	75.0	74.5	72.8	72.3	74.59
	10	81.4	79.6	79.4	78.6	78.7	77.7	76.0	75.6	74.8	74.7	74.5	74.2	75.63
	11	82.5	82.3	75.8	74.7	74.5	74.1	73.5	73.4	73.4	73.2	73.0	72.6	75.15
	12	76.3	75.2	77.0	77.8	77.8	77.2	76.2	75.7	75.1	75.0	74.2	74.0	75.53
	13	83.4	82.6	82.0	82.0	81.0	80.4	79.4	78.3	77.8	77.1	76.3	75.7	77.48
	14	83.2	83.6	83.5	82.5	81.4	77.3	76.1	76.1	76.1	75.5	75.3	74.9	78.08
	15	81.8	82.5	82.4	82.4	81.0	78.9	78.0	77.0	76.2	75.7	75.5	75.2	77.50
	16	82.0	82.0	82.2	81.0	78.2	78.5	77.9	77.1	76.6	76.6	76.5	76.4	77.15
	17	80.5	82.0	82.6	81.6	80.8	80.2	79.4	79.2	77.0	74.0	74.0	74.0	77.14
	18	79.4	80.8	80.6	80.0	79.2	78.9	77.9	77.6	77.0	76.6	76.0	75.2	76.54
	19	80.6	82.5	82.0	80.6	80.0	79.4	78.3	77.8	77.2	76.9	76.7	73.7	77.22
	20	82.2	82.8	81.9	82.1	81.4	80.1	77.4	76.8	76.2	76.3	76.0	76.2	77.15
	21	81.6	81.6	81.6	83.3	78.2	75.0	74.8	74.2	73.8	73.9	73.7	73.5	77.30
	22	81.2	81.0	80.9	81.1	80.4	79.9	78.6	77.5	76.7	76.5	76.0	76.0	77.15
	23	80.2	79.8	80.1	80.8	80.4	80.0	78.9	77.8	76.2	75.4	75.0	74.8	77.22
	24	84.5	86.3	87.0	84.7	83.7	82.0	78.4	78.0	77.5	77.0	76.6	76.0	78.61
	25	84.5	82.1	82.4	81.7	81.0	80.5	79.5	79.1	78.7	78.4	78.2	78.1	78.54
	26	83.5	80.7	80.9	81.2	78.5	78.2	77.9	77.6	77.2	76.6	76.1	75.6	78.29
	27	85.3	84.7	84.3	83.4	83.0	82.0	79.8	78.6	77.6	77.2	76.5	76.3	78.85
	28	83.1	84.1	79.0	79.3	79.8	79.4	78.1	77.2	76.6	75.8	75.8	75.2	77.76
	29	83.7	84.0	84.5	85.0	83.5	81.8	80.4	79.2	78.9	78.5	75.5	75.0	78.58
	30	82.7	82.7	83.2	82.4	81.0	77.6	76.8	76.1	75.8	75.9	75.5	75.0	77.38
	31	84.6	84.2	83.9	83.6	82.6	81.6	80.0	77.9	77.0	76.4	76.2	75.0	78.49
Hourly Means.		81.93	82.17	81.70	81.28	80.22	79.10	77.82	77.04	76.36	75.86	75.38	74.90	77.33

RELATIVE HUMIDITY OF THE AIR.

SATURATION = 1000.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
J A N U A R Y.	1	929	928	936	936	945	935	919	856	764	680	615	606	—
	2	913	921	921	921	938	937	921	844	776	730	660	650	—
	3	913	912	929	929	928	928	903	873	785	736	699	646	—
	4	921	929	929	929	929	921	914	866	761	709	742	924	—
	5	939	930	947	946	937	936	919	864	799	768	756	628	—
	6	930	930	930	920	937	929	911	874	832	750	713	689	—
	7	947	947	965	956	956	965	947	930	883	823	728	777	—
	8	946	955	956	965	964	929	946	955	965	908	863	776	—
	9	956	947	955	964	937	955	964	921	898	899	947	923	—
	10	964	955	955	955	955	964	955	938	874	852	808	802	—
	11	956	965	965	973	973	965	965	955	965	932	818	784	—
	12	955	955	955	946	946	955	955	915	892	839	820	773	—
	13	930	937	946	964	963	963	955	914	870	805	762	730	—
	14	948	948	948	931	923	915	914	900	809	823	776	717	—
	15	947	956	956	947	947	948	947	939	884	854	877	762	—
	16	939	914	947	956	946	955	955	947	907	854	780	741	—
	17	940	931	939	947	965	965	965	973	957	876	841	901	—
	18	965	947	956	965	965	965	965	957	917	922	914	801	—
	19	947	947	956	947	956	947	947	923	883	869	941	833	—
	20	956	956	965	955	965	965	956	965	956	884	817	740	—
	21	966	966	966	966	947	956	966	901	825	776	770	783	—
	22	956	956	921	938	947	947	956	948	916	877	863	825	—
	23	932	931	947	947	956	947	947	948	948	869	839	797	—
	24	939	938	938	946	946	929	920	880	829	754	731	702	—
	25	948	930	904	913	930	930	930	882	821	787	761	705	—
	26	925	916	924	923	915	923	930	923	861	762	752	759	—
	27	940	947	947	956	956	955	965	930	800	732	640	626	—
	28	898	897	930	938	938	937	929	898	823	771	719	677	—
	29	904	913	912	912	903	895	862	833	756	772	747	690	—
	30	947	947	956	956	947	956	947	922	851	823	776	758	—
	31	913	913	921	938	930	930	913	857	778	748	716	664	—
Hourly Means.		939	938	943	945	945	943	938	911	858	812	780	748	—

Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
J A N U A R Y.	1	645	625	656	677	690	714	742	804	857	864	888	904	796
	2	857	784	710	731	750	769	848	869	883	899	923	922	837
	3	657	621	607	660	690	733	828	874	855	880	897	921	809
	4	884	823	790	716	705	834	870	876	916	931	923	939	862
	5	654	651	676	695	741	753	823	868	892	923	923	930	829
	6	674	693	739	696	758	804	888	914	930	947	956	947	845
	7	764	737	707	757	808	814	835	914	905	930	956	956	871
	8	763	738	806	888	890	906	914	939	939	930	939	956	906
	9	931	882	923	906	882	915	931	948	957	939	955	955	933
	10	734	786	785	762	762	820	915	931	947	947	947	956	886
	11	744	715	872	913	921	938	946	946	956	965	955	946	918
	12	932	922	932	908	901	892	932	940	947	939	956	938	919
	13	712	752	757	764	797	811	878	908	925	941	948	948	871
	14	703	685	678	722	783	867	915	923	932	940	940	947	858
	15	757	731	722	730	811	846	861	907	932	915	923	939	877
	16	757	757	764	805	829	846	876	907	916	907	916	924	877
	17	782	717	751	777	804	818	848	863	925	939	938	947	890
	18	780	775	797	825	870	885	917	933	941	940	940	939	908
	19	775	759	750	801	833	902	926	933	941	949	957	956	899
	20	750	771	757	757	805	833	892	916	948	957	957	974	889
	21	741	749	749	718	868	922	913	921	929	930	947	947	880
	22	791	776	768	783	788	817	862	892	916	932	940	931	885
	23	804	817	811	790	804	825	870	908	906	914	930	939	889
	24	723	650	622	730	782	815	902	917	933	932	940	940	847
	25	695	807	786	784	819	826	886	894	918	926	933	926	860
	26	740	804	827	820	853	877	908	925	924	924	923	931	874
	27	653	723	722	698	746	785	855	846	867	875	891	882	831
	28	753	721	878	918	871	894	877	883	891	915	906	898	865
	29	673	660	708	697	761	749	825	847	862	877	914	930	817
	30	738	731	725	716	775	780	834	865	889	906	880	905	855
	31	618	654	620	639	695	713	810	829	827	842	825	880	799
Hourly Means.		748	742	755	767	800	830	875	898	913	921	928	934	867

DIRECTION OF THE WIND.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12
JANUARY.	1	C	C	C	C	C	C	C	SSW	S	SSE	E	E
	2	C	C	C	C	C	C	C	NNE	NNE	NNE	NE	NE
	3	C	C	C	C	C	C	C	C	C	NNE	NNE	NNE
	4	C	C	C	NNE	NNE	C	C	NNE	NNE	NNE	NNE	NE
	5	C	C	C	C	C	C	C	C	NE	NNE	NNE	NNE
	6	C	C	C	N	C	C	C	C	N	NNW	NNW	NNW
	7	C	C	C	C	C	C	C	C	C	SSW	SW	N
	8	C	NNW	NNW	C	NNW	NW	NW	C	NW	NW	NW	NW
	9	W	C	C	C	C	C	C	C	W	NW	NW	NW
	10	C	C	C	C	C	C	C	WNW	WNW	WNW	WNW	WNW
	11	C	C	C	C	C	C	W	W	W	W	WNW	NW
	12	C	C	C	C	C	C	C	WSW	WSW	WSW	WNW	NW
	13	C	C	C	C	C	C	C	NW	NW	NW	NW	NW
	14	C	C	C	NNW	NNW	NNW	NNW	NNW	NNW	NW	NW	NW
	15	C	C	C	C	W	W	W	W	W	NW	NW	NNW
	16	C	NW	WNW	WNW	WNW	C	C	WNW	WNW	WNW	NW	NNW
	17	C	NW	NW	C	NW	C	C	NW	NW	NW	NW	NW
	18	C	NNW	NNW	NNW	NW	NW	NW	NW	NW	NW	WNW	NW
	19	C	C	C	C	C	C	C	C	C	NW	NW	NW
	20	C	C	NNW	NW	C	C	C	C	C	NW	NW	NW
	21	C	C	C	C	C	C	C	NW	NW	NW	NW	NW
	22	C	C	C	C	C	C	C	C	C	WNW	NNW	NNW
	23	C	C	C	C	C	C	C	C	C	N	N	N
	24	C	C	N	N	NNW	W	C	W	W	W	W	W
	25	C	NW	NW	C	C	C	C	NW	NW	WNW	WNW	WNW
	26	C	C	C	C	C	C	C	C	C	N	NNW	NW
	27	C	C	C	C	C	C	C	C	NW	NW	NW	NW
	28	C	C	C	C	C	C	C	C	WNW	WNW	WNW	WNW
	29	C	C	NW	NW	WNW	WNW	WNW	WNW	W	W	W	WNW
	30	C	C	C	C	C	C	C	C	C	C	E	ENE
	31	C	C	C	C	C	C	C	WSW	C	WSW	NW	NNE
Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12
JANUARY.	1	NNE	NNE	N	NNE	NNE	NNE	NNE	NNE	NNE	C	C	C
	2	NNE	NNE	NNE	NNE	NNE	NNE	C	C	C	C	C	C
	3	N	N	N	N	N	C	N	N	NNE	C	C	C
	4	NE	NE	NE	NE	C	NE	C	C	C	C	C	NE
	5	NNE	NNE	NNE	NNE	N	C	C	C	C	C	C	C
	6	N	N	NNW	NNW	SSW	SSW	SSW	SSW	C	C	C	C
	7	N	N	N	NNW	NNW	NNW	NNW	C	C	NNW	NNW	C
	8	NNW	NNW	W	W	W	W	C	C	C	C	C	W
	9	NW	NW	NW	NW	NW	C	C	C	C	NW	WNW	WNW
	10	NW	W	W	W	W	C	W	W	C	C	C	C
	11	NNW	NNW	WSW	WSW	C	C	C	C	C	C	C	C
	12	NW	NW	NW	C	C	NW	C	C	C	C	C	C
	13	NW	NNW	NNW	NNW	NNW	C	C	C	C	C	C	C
	14	NNW	NNW	NNW	NNW	NNW	W	C	C	C	C	C	C
	15	NNW	NNW	NW	NW	NW	C	C	C	C	C	C	C
	16	NNW	NNW	NNW	NW	NW	C	C	C	C	C	C	C
	17	NW	NW	NNW	NNW	NNW	N	C	N	N	NNW	C	C
	18	NW	NW	NW	NW	C	C	C	C	C	C	C	C
	19	N	NNW	NNW	NNW	NNW	C	C	C	C	C	NNW	NNW
	20	NW	NW	NNW	NNW	NNW	NNW	C	C	C	C	C	C
	21	NW	NNW	NNW	NNW	NW	WNW	C	C	C	C	C	C
	22	N	N	N	N	N	N	C	C	C	C	C	C
	23	N	N	N	N	N	C	C	N	N	C	C	C
	24	W	WNW	WNW	NW	NW	NW	C	C	C	C	C	C
	25	NW	NNW	NNW	N	N	N	C	C	C	C	C	C
	26	NW	NNW	NNW	NNW	NW	C	C	C	C	C	C	C
	27	NW	NW	NW	WNW	WNW	C	C	C	C	C	C	C
	28	NW	NW	NW	NW	C	C	C	C	C	C	C	C
	29	WNW	NW	NW	WNW	WNW	C	C	C	C	WNW	ENE	C
	30	NE	NE	NNE	NNW	NNW	WSW	C	C	WSW	WSW	WSW	WSW
	31	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	C	NNE	C	NNE

VELOCITY OF THE WIND IN KILOMETERS PER HOUR.

Mean Batavia Time.		1 A.M.	2	3	4	5	6	7	8	9	10	11	12	—
J A N U A R Y.	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	5.6	7.2	7.2	8.9	—
	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	3.2	4.8	6.4	12.9	—
	3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	4.8	—
	4	0.0	0.0	0.0	0.8	0.8	0.0	0.0	2.4	2.4	5.6	12.1	4.0	—
	5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	3.2	8.9	—
	6	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	4.0	5.6	7.2	9.7	—
	7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	4.0	9.7	—
	8	0.0	0.8	0.8	0.0	1.6	4.0	1.6	0.0	0.8	2.4	4.0	7.2	—
	9	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	5.6	6.4	7.2	—
	10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	2.4	4.0	5.6	7.2	—
	11	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.6	1.6	4.8	8.0	12.1	—
	12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.6	5.6	6.4	4.8	—
	13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	5.6	7.2	12.1	12.1	—
	14	0.0	0.0	0.0	2.4	1.6	0.8	0.8	1.6	2.4	2.4	8.0	9.7	—
	15	0.0	0.0	0.0	0.0	2.4	2.4	0.8	2.4	4.0	8.9	12.9	16.1	—
	16	0.0	8.9	7.2	0.8	0.8	0.0	0.0	0.8	2.4	6.4	11.3	11.3	—
	17	0.0	0.8	0.8	0.0	0.8	0.0	0.0	0.8	1.6	3.2	8.0	8.0	—
	18	0.0	3.2	0.8	0.8	0.8	0.8	0.8	1.6	2.4	8.0	8.9	11.3	—
	19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	3.2	11.3	—
	20	0.0	0.0	1.6	1.6	0.0	0.0	0.0	0.0	0.0	5.6	7.2	7.2	—
	21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	4.0	6.4	10.5	10.5	—
	22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	5.6	6.4	—
	23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.8	4.8	6.4	—
	24	0.0	0.0	0.8	3.2	5.6	0.8	0.0	0.8	3.2	5.6	7.2	7.2	—
	25	0.0	0.8	0.8	0.0	0.0	0.0	0.0	1.6	3.2	8.0	6.4	7.2	—
	26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.6	10.5	10.5	—
	27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	2.4	6.4	5.6	—
	28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	8.0	8.9	9.7	—
	29	0.0	0.0	1.6	1.6	3.2	1.6	1.6	1.6	2.4	2.4	2.4	1.6	—
	30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	4.8	—
	31	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	0.0	3.2	6.4	8.9	—
Hourly Means.		0.03	0.47	0.46	0.39	0.57	0.34	0.21	0.83	1.94	4.60	6.94	8.49	—
Mean Batavia Time.		1 P.M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
J A N U A R Y.	1	8.9	10.5	13.7	14.5	12.1	0.8	1.6	0.8	1.6	0.0	0.0	0.0	3.96
	2	0.8	7.2	6.4	7.2	4.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0	2.30
	3	8.0	10.5	9.7	7.2	2.4	0.0	2.4	6.4	1.6	0.0	0.0	0.0	2.34
	4	1.6	1.6	4.0	1.6	0.0	0.8	0.0	0.0	0.0	0.0	0.0	0.8	1.60
	5	9.7	8.9	9.7	8.9	4.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.32
	6	15.3	13.7	14.5	8.0	6.4	1.6	0.8	0.8	0.0	0.0	0.0	0.0	3.68
	7	8.0	8.9	10.5	4.0	2.4	0.8	0.8	0.0	0.0	0.8	0.8	0.0	2.21
	8	9.7	9.7	2.4	1.6	0.8	1.6	0.0	0.0	0.0	0.0	0.0	0.8	2.08
	9	8.0	7.2	4.8	4.8	4.8	0.0	0.0	0.0	0.0	2.4	2.4	1.6	2.43
	10	6.4	7.2	5.6	1.6	0.8	0.0	0.8	0.8	0.0	0.0	0.0	0.0	1.80
	11	13.7	13.7	7.2	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.71
	12	3.2	3.2	0.8	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.0	0.0	1.13
	13	12.1	10.5	9.7	8.0	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.49
	14	12.1	12.9	12.9	10.5	7.2	1.6	0.0	0.0	0.0	0.0	0.0	0.0	3.62
	15	13.7	12.9	11.3	6.4	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.99
	16	12.1	11.3	6.4	2.4	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.45
	17	11.3	10.5	9.7	8.0	6.4	2.4	0.0	0.8	0.8	1.6	0.0	0.0	3.15
	18	10.5	8.0	4.0	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.61
	19	12.1	11.3	9.7	4.0	0.8	0.0	0.0	0.0	0.0	0.0	4.8	2.4	2.62
	20	5.6	4.8	4.8	4.8	2.4	1.6	0.0	0.0	0.0	0.0	0.0	0.0	1.97
	21	11.3	6.4	3.2	3.2	6.4	1.6	0.0	0.0	0.0	0.0	0.0	0.0	2.71
	22	7.2	9.7	8.9	9.7	8.9	3.2	0.0	0.0	0.0	0.0	0.0	0.0	2.52
	23	4.8	4.8	2.4	4.8	0.8	0.0	0.0	2.4	1.6	0.0	0.0	0.0	1.57
	24	6.4	8.9	8.0	4.0	4.0	1.6	1.6	0.0	0.0	0.0	0.0	0.0	2.87
	25	8.9	11.3	11.3	6.4	2.4	0.8	0.0	0.0	0.0	0.0	0.0	0.0	2.88
	26	10.5	8.9	8.9	4.8	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.55
	27	8.9	9.7	10.5	4.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.11
	28	12.1	6.4	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.05
	29	3.2	4.0	3.2	3.2	3.2	0.0	0.0	0.0	0.0	1.6	6.4	0.0	1.87
	30	7.2	8.0	8.0	9.7	5.6	0.8	0.0	0.0	1.6	2.4	4.0	1.6	2.34
	31	11.3	10.5	9.7	9.7	4.8	0.8	2.4	1.6	0.0	0.8	0.0	0.8	3.02
Hourly Means.		8.86	8.81	7.51	5.39	3.23	0.70	0.40	0.44	0.23	0.31	0.59	0.26	2.58

CLOUDS													
CLEAR = 0. OVERCAST = 10.													
Mean Batavia Time.	1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
JANUARY.	1	2	0	2	3	2	2	1	2	2	1	1	—
	2	4	5	7	9	6	5	1	3	6	6	8	—
	3	2	2	0	1	2	3	4	5	6	7	7	—
	4	4	6	7	4	6	4	10	8	9	10	10	—
	5	2	1	1	2	3	2	1	1	6	8	4	—
	6	2	3	1	1	1	2	2	6	5	6	6	—
	7	9	10	10	10	8	7	8	7	7	6	8	—
	8	10	10	10	8	9	10	9	8	6	4	7	—
	9	8	7	6	7	8	6	10	10	9	10	10	—
	10	10	9	9	7	7	9	8	10	7	8	10	—
	11	10	9	9	9	7	7	9	10	9	7	8	—
	12	7	6	8	8	7	6	7	9	10	8	9	—
	13	5	2	1	0	0	2	4	5	5	8	8	—
	14	10	9	9	10	10	10	8	10	8	9	9	—
	15	4	5	7	7	9	10	10	8	10	9	7	—
	16	9	10	10	10	10	10	10	10	9	8	8	—
	17	9	10	10	10	10	10	10	9	8	9	10	—
	18	10	10	10	10	10	10	9	7	10	10	9	—
	19	5	4	6	9	9	6	10	9	10	10	8	—
	20	10	10	10	10	10	10	10	10	10	6	8	—
	21	10	9	9	10	10	10	8	7	9	9	1	—
	22	7	8	8	9	9	7	10	10	9	10	10	—
	23	9	6	5	8	8	7	6	8	6	7	7	—
	24	10	9	10	10	10	9	9	9	8	7	6	—
	25	8	9	9	9	9	7	7	5	8	9	6	—
	26	7	7	3	7	8	8	10	10	9	8	9	—
	27	8	8	9	6	7	6	8	8	5	5	6	—
	28	3	1	0	1	3	4	5	3	4	6	7	—
	29	8	6	10	10	10	10	9	8	9	9	9	—
	30	10	10	10	10	10	10	6	5	4	10	6	—
	31	8	9	8	9	7	8	5	4	7	7	6	—
Hourly Means.	7.1	6.8	6.9	7.2	7.3	7.1	7.5	7.2	7.1	7.5	7.6	7.4	—
Mean Batavia Time.	1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
JANUARY.	1	0	1	2	0	4	9	10	5	4	3	3	2.6
	2	8	6	6	3	2	1	7	4	6	6	4	5.0
	3	3	2	2	4	10	10	10	7	7	5	4	4.9
	4	7	9	6	6	8	8	9	5	3	1	2	6.5
	5	5	4	3	5	4	7	6	5	4	3	6	3.8
	6	4	5	0	2	10	10	10	10	10	10	9	5.3
	7	8	6	6	9	8	9	9	10	10	10	10	8.4
	8	8	6	10	10	9	9	8	7	8	7	7	8.1
	9	10	10	10	10	9	9	10	10	10	10	10	9.1
	10	9	10	10	8	7	10	10	10	10	9	9	8.8
	11	9	6	10	10	10	10	10	10	10	9	7	9.0
	12	10	10	10	10	10	9	9	9	7	3	5	8.2
	13	8	6	6	6	7	5	5	3	2	4	6	4.5
	14	8	7	5	3	7	9	9	4	8	7	5	8.0
	15	8	8	8	9	10	10	10	9	9	10	10	8.6
	16	7	8	7	7	9	9	5	3	6	8	9	8.3
	17	8	8	6	5	3	3	2	7	10	10	10	8.2
	18	10	10	10	10	10	10	9	8	8	9	7	9.3
	19	8	7	8	8	9	9	7	9	8	10	10	8.2
	20	9	8	8	8	9	10	10	10	8	9	9	9.3
	21	8	9	7	8	10	10	10	10	7	7	6	8.3
	22	9	9	7	5	4	5	6	7	8	9	7	7.9
	23	10	10	9	8	9	7	6	10	10	10	10	8.1
	24	7	8	6	6	8	9	10	7	6	8	9	8.3
	25	7	10	8	8	9	8	8	9	10	10	10	8.4
	26	8	10	10	10	9	10	9	6	4	5	7	8.0
	27	8	8	8	9	9	9	6	7	8	6	7	7.2
	28	9	8	10	9	8	7	6	7	7	8	8	5.7
	29	8	7	7	8	9	9	4	7	6	10	10	8.3
	30	6	7	5	4	10	10	9	7	6	10	10	8.1
	31	4	5	4	2	1	0	3	1	0	1	0	4.4
Hourly Means.	7.5	7.4	6.9	6.8	7.8	8.1	7.8	7.6	7.2	7.3	7.3	7.3	7.32

BAROMETRIC PRESSURE.

BAROMETER AT 0°C = 750 MILLIMETRES + THE NUMBERS IN THE TABLE.

Mean Batavia Time.	1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—	
FEBRUARY.	1	9.20	9.18	9.06	8.98	9.02	9.29	9.79	10.09	10.23	10.25	9.90	9.54	—
	2	9.07	8.75	8.41	8.29	8.65	9.02	9.43	10.05	10.28	10.12	9.79	9.39	—
	3	9.34	9.07	8.87	8.58	8.71	8.91	9.66	10.08	10.55	10.44	10.20	9.51	—
	4	9.33	9.21	8.99	8.71	8.69	9.34	9.89	10.47	10.55	10.22	9.68	9.13	—
	5	9.04	8.55	8.36	8.38	8.65	8.91	9.15	9.33	9.30	9.24	8.85	8.30	—
	6	8.59	8.34	7.75	8.01	8.42	8.79	9.70	10.01	10.00	10.19	9.73	9.01	—
	7	9.24	8.76	8.22	8.33	8.40	8.66	9.37	10.14	10.28	10.28	10.05	9.54	—
	8	10.10	9.61	9.00	8.70	8.96	9.14	9.61	10.25	10.94	10.98	10.69	10.07	—
	9	10.63	10.18	9.90	9.91	9.93	10.09	10.02	10.97	11.24	10.87	10.45	9.80	—
	10	9.75	9.68	9.61	9.79	9.81	9.94	9.98	11.00	11.56	11.70	11.49	11.11	—
	11	11.59	11.05	10.63	10.45	10.46	10.97	11.12	11.55	11.68	11.39	10.85	10.43	—
	12	9.79	9.19	8.76	8.68	8.60	9.17	9.35	9.69	10.00	10.12	9.67	8.95	—
	13	9.99	9.48	9.32	8.92	8.85	8.93	9.63	10.33	10.58	10.93	10.85	10.43	—
	14	9.28	8.90	8.70	8.51	8.47	8.78	9.24	9.95	10.26	10.30	10.03	9.58	—
	15	9.40	8.88	8.45	8.60	8.85	8.86	9.23	9.63	9.93	9.66	9.70	9.34	—
	16	8.92	8.73	8.50	8.96	9.21	9.45	9.95	10.64	10.99	10.43	9.88	9.26	—
	17	8.86	8.95	8.95	8.92	9.56	10.36	10.68	11.23	11.54	11.43	11.05	10.46	—
	18	10.31	9.86	9.98	9.99	10.19	10.51	11.08	11.53	11.70	11.35	11.12	10.85	—
	19	10.54	9.91	9.59	9.76	10.04	10.05	10.63	11.00	10.78	10.63	10.54	9.74	—
	20	10.24	9.65	8.99	8.66	9.07	9.70	10.06	10.41	10.75	10.57	10.37	9.58	—
	21	9.25	8.25	8.50	8.51	8.61	9.07	9.86	10.88	11.00	10.89	11.01	10.46	—
	22	9.93	9.60	9.23	9.56	9.67	9.94	10.36	10.82	11.26	11.35	10.88	10.44	—
	23	10.51	10.48	10.38	10.20	10.32	11.02	11.34	11.75	11.94	12.18	11.95	11.39	—
	24	11.04	10.73	10.35	10.01	9.91	10.08	10.34	10.89	11.11	11.08	10.74	10.32	—
	25	10.86	10.64	9.89	9.94	10.25	10.90	11.33	12.15	12.02	11.81	11.63	10.90	—
	26	10.66	10.11	9.54	9.65	9.85	10.15	10.78	11.28	11.35	11.05	10.95	10.28	—
	27	10.30	10.05	9.53	9.05	9.27	9.56	9.81	10.34	10.39	10.19	10.05	9.59	—
	28	9.56	9.45	9.16	8.67	8.94	9.06	10.00	10.27	10.29	10.23	9.77	8.98	—
	29	9.26	8.62	8.13	8.13	8.55	8.76	9.56	9.91	9.86	9.74	9.67	9.14	—
Hourly Means.		9.81	9.44	9.13	9.06	9.24	9.57	10.03	10.57	10.77	10.68	10.40	9.85	—
Mean Batavia Time.	1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.	
FEBRUARY.	1	8.94	7.99	7.48	7.03	7.06	7.49	7.24	8.71	9.33	9.87	10.08	9.64	8.97
	2	8.95	8.27	7.70	7.28	7.33	7.60	8.19	8.94	9.57	9.69	9.73	9.63	8.92
	3	8.78	7.81	7.27	6.99	7.08	7.48	8.57	9.29	9.87	10.38	10.68	10.50	9.11
	4	8.24	7.58	7.18	8.33	7.71	8.30	9.00	9.40	9.71	10.46	10.15	9.40	9.15
	5	7.57	7.10	6.55	6.24	6.65	7.17	8.30	8.68	9.10	9.35	9.38	9.12	8.39
	6	8.24	7.68	7.18	7.04	7.52	8.09	8.73	9.62	9.69	9.74	10.18	9.81	8.84
	7	9.53	9.24	8.76	8.67	8.69	8.71	8.82	9.63	10.35	10.68	10.84	10.65	9.41
	8	9.24	8.49	7.90	7.78	8.62	9.44	9.88	10.40	10.75	11.23	11.45	10.91	9.76
	9	9.08	8.54	7.94	7.95	7.78	8.40	8.76	9.40	10.04	10.60	10.77	10.38	9.73
	10	10.21	9.41	8.86	8.76	8.85	9.44	10.45	11.32	12.09	12.36	12.45	11.88	10.48
	11	9.36	8.39	7.68	7.26	7.61	8.37	8.74	9.92	10.62	10.78	11.14	10.47	10.10
	12	8.32	7.69	7.27	6.92	7.14	7.95	8.50	9.13	9.93	10.29	10.40	10.23	8.99
	13	9.74	9.20	8.81	8.37	8.55	8.62	8.90	9.54	9.91	10.18	10.03	9.69	9.57
	14	8.94	8.40	7.58	7.23	7.53	8.00	8.89	9.19	9.69	9.78	10.06	9.54	9.03
	15	8.25	7.44	7.03	6.88	7.13	7.65	7.89	8.85	9.55	9.83	9.69	9.65	8.77
	16	8.59	8.05	7.48	7.18	7.49	7.73	8.16	8.71	9.34	9.75	9.87	9.78	9.04
	17	9.85	9.28	8.91	8.45	8.45	8.77	9.43	9.97	10.59	10.80	10.73	10.75	9.92
	18	10.14	9.81	9.11	8.89	8.84	9.31	10.04	10.63	11.30	11.64	11.63	10.84	10.44
	19	9.52	9.00	8.64	8.73	8.69	9.00	9.35	10.12	10.84	11.00	10.82	10.38	9.97
	20	8.66	8.04	7.43	7.39	7.59	8.08	8.44	9.05	9.57	11.09	10.24	9.71	9.31
	21	9.35	8.91	8.55	8.25	8.76	8.96	9.16	9.69	10.50	10.70	10.45	10.11	9.57
	22	10.12	9.25	8.89	8.86	8.79	9.24	9.62	10.05	10.89	11.18	11.00	10.98	10.08
	23	10.58	9.77	9.23	8.90	9.29	9.52	10.05	10.54	11.47	11.79	11.77	11.65	10.75
	24	9.83	9.21	8.68	8.53	8.39	8.61	9.28	10.05	10.67	11.37	11.30	11.25	10.16
	25	9.80	8.95	8.48	8.26	8.35	8.79	9.37	9.75	10.45	11.03	11.20	11.13	10.33
	26	9.60	8.79	8.15	7.75	8.12	8.75	9.17	9.77	10.24	10.82	10.89	10.55	9.93
	27	8.50	7.76	7.76	7.83	8.16	8.67	8.87	9.59	10.40	10.48	10.40	10.03	9.44
	28	8.14	7.33	6.68	6.73	7.19	7.43	8.22	8.81	9.76	10.08	9.99	9.81	8.94
	29	8.24	7.70	7.35	7.03	7.60	8.08	8.71	9.27	9.73	9.94	9.99	9.35	8.85
Hourly Means.		9.11	8.45	7.95	7.78	7.96	8.40	8.92	9.59	10.21	10.58	10.60	10.27	9.52

STANDARD THERMOMETER.

Mean Batavia Time.	1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—	
F E B R U A R Y.	1	74.5	73.8	73.2	72.7	72.3	71.8	72.8	76.2	79.5	81.5	82.0	83.6	—
	2	75.9	75.4	74.6	74.4	74.0	73.4	73.8	76.6	80.1	82.5	83.2	82.0	—
	3	74.7	74.6	74.3	74.3	73.6	72.7	73.2	76.2	80.0	83.1	84.1	85.4	—
	4	77.0	76.5	76.4	76.0	75.8	75.8	76.0	77.1	79.2	81.0	83.4	83.7	—
	5	74.5	74.2	74.0	73.5	73.4	73.1	73.3	75.0	78.4	80.7	83.7	84.3	—
	6	76.8	76.5	76.4	76.0	76.2	75.7	75.0	76.0	77.0	78.1	80.0	82.0	—
	7	74.6	74.2	74.0	73.8	73.7	73.7	74.3	75.2	78.7	81.6	83.5	84.7	—
	8	73.5	72.9	72.1	72.0	71.8	71.5	71.8	75.1	78.0	79.4	81.9	82.8	—
	9	73.7	73.4	73.1	72.8	72.5	72.1	72.6	75.0	77.9	81.0	83.0	83.0	—
	10	75.9	74.9	74.4	73.5	73.2	73.2	73.0	73.1	73.5	73.7	74.2	75.5	—
	11	73.8	73.7	73.5	73.0	72.7	73.3	73.3	74.9	77.0	79.5	80.5	83.0	—
	12	75.2	74.9	74.3	74.0	73.4	73.2	74.0	76.3	79.4	80.2	81.3	83.0	—
	13	75.6	75.3	74.4	74.0	72.4	72.1	73.2	74.8	76.6	76.2	76.5	76.9	—
	14	73.9	73.8	73.6	73.2	72.9	72.9	73.2	75.3	77.2	78.5	78.0	77.5	—
	15	74.4	74.4	74.4	74.4	74.4	74.2	74.2	74.7	77.0	78.7	78.4	78.2	—
	16	73.7	73.5	73.7	73.9	73.1	72.7	72.0	72.4	73.4	75.6	78.0	80.2	—
	17	76.2	73.4	73.0	73.2	73.0	73.2	73.6	73.8	74.3	74.7	75.2	76.7	—
	18	74.7	74.4	73.6	72.6	72.9	73.3	73.4	75.4	78.4	80.8	81.4	82.3	—
	19	75.8	75.0	74.4	74.0	73.8	73.6	73.7	75.5	79.2	82.0	82.0	82.4	—
	20	76.2	76.2	75.9	75.4	75.6	75.6	75.6	76.1	77.2	77.2	79.2	78.4	—
	21	74.4	74.2	74.7	74.0	74.0	74.2	74.2	74.7	73.0	72.5	72.9	73.4	—
	22	73.0	73.2	73.2	72.7	72.2	71.9	72.4	74.7	77.8	79.7	80.2	81.2	—
	23	74.6	73.6	73.3	73.0	72.4	72.1	72.0	71.6	73.6	75.6	78.0	80.6	—
	24	73.9	74.0	74.0	74.0	73.7	73.7	74.0	76.3	79.1	80.6	82.0	82.0	—
	25	73.4	73.6	73.6	73.6	73.6	73.0	71.3	72.0	73.7	75.0	74.0	76.7	—
	26	75.4	74.3	73.7	73.7	73.9	74.1	74.4	74.7	75.8	77.7	80.0	81.9	—
	27	73.6	74.1	73.8	73.6	73.4	73.4	73.8	75.1	76.5	79.5	81.2	82.6	—
	28	73.6	73.2	72.6	72.5	72.0	71.7	72.4	74.5	77.3	80.1	82.9	85.5	—
	29	74.1	73.7	73.1	73.0	73.0	73.1	73.7	75.0	76.7	79.1	80.6	82.0	—
Hourly Means.	74.71	74.31	73.98	73.68	73.41	73.25	73.46	74.94	77.09	78.82	80.04	81.09	—	
Mean Batavia Time.	1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.	
F E B R U A R Y.	1	84.6	84.1	83.7	83.4	82.6	81.4	80.4	79.0	78.1	77.6	77.0	76.0	78.41
	2	81.0	81.9	82.5	81.8	81.9	81.1	79.7	78.3	77.3	76.7	76.0	75.4	78.31
	3	85.5	85.4	85.0	83.6	82.6	82.2	81.3	80.7	80.5	79.0	78.2	78.0	79.51
	4	85.9	85.5	83.8	76.1	74.3	74.2	74.5	74.2	74.5	74.9	75.1	74.8	77.74
	5	84.9	82.1	81.0	82.5	82.0	81.2	79.8	79.1	78.6	78.0	77.4	77.1	78.41
	6	83.2	81.7	81.4	81.3	81.0	80.8	80.0	77.5	76.5	75.3	75.1	74.9	78.10
	7	79.5	76.3	75.5	75.8	76.2	75.9	75.1	74.7	74.4	74.3	74.0	73.8	76.15
	8	83.3	83.8	83.2	83.2	81.5	76.8	74.9	74.5	74.1	73.9	73.9	73.7	76.65
	9	84.4	84.7	83.1	80.5	79.2	79.1	78.6	78.3	77.7	77.4	77.2	75.6	77.75
	10	76.9	78.4	79.3	79.3	79.1	78.4	77.6	76.7	75.5	75.0	75.0	74.4	75.57
	11	84.0	85.2	85.6	85.0	84.1	82.0	79.4	78.0	77.0	76.5	76.2	75.6	78.20
	12	84.9	83.0	82.4	81.5	80.9	80.0	78.8	78.0	77.7	77.3	76.7	76.1	78.19
	13	77.7	77.5	77.0	76.7	76.5	75.7	75.0	74.7	74.5	74.3	74.1	73.9	75.23
	14	80.8	79.6	80.9	81.5	80.9	80.1	77.4	76.7	75.8	75.5	75.0	74.7	76.62
	15	81.1	81.6	80.5	80.6	80.2	80.2	76.6	75.9	74.4	74.2	74.1	73.9	76.70
	16	81.4	82.5	82.3	81.3	81.0	80.3	79.1	77.7	76.9	77.0	76.8	76.4	76.87
	17	80.4	81.0	80.4	79.8	79.6	79.0	77.6	77.0	76.3	75.9	75.3	75.0	76.15
	18	83.4	82.7	82.5	82.3	81.8	81.0	80.0	79.1	78.2	77.6	77.0	76.3	78.13
	19	82.1	80.6	80.4	80.2	80.2	79.8	78.7	77.8	77.8	77.5	77.2	76.8	77.94
	20	80.6	81.0	81.6	82.6	81.3	80.5	79.7	79.2	75.0	74.2	74.5	74.5	77.64
	21	74.2	75.2	76.0	75.0	75.2	75.2	74.6	74.6	74.5	74.2	74.2	73.6	74.28
	22	81.0	81.0	79.8	79.5	79.7	79.2	77.9	77.4	75.0	74.8	74.7	74.9	76.55
	23	81.5	82.6	81.7	81.7	81.0	80.2	79.0	79.0	78.0	76.8	75.6	74.7	76.76
	24	82.1	81.9	81.4	81.5	81.5	80.5	79.4	79.0	77.6	74.7	73.4	73.6	77.66
	25	79.5	81.3	81.2	81.5	81.0	80.0	77.9	76.5	75.9	75.5	75.1	75.1	76.00
	26	81.2	83.0	83.0	82.5	81.5	80.3	79.2	78.6	78.3	77.6	76.6	75.0	77.77
	27	85.0	86.0	83.3	78.6	78.0	77.5	76.2	75.7	75.5	75.3	74.8	74.2	77.11
	28	86.6	87.7	87.5	84.7	78.5	75.4	75.6	75.5	75.8	75.8	75.2	74.7	77.55
	29	82.2	81.7	81.7	81.0	80.3	77.0	76.6	76.4	76.2	76.0	76.1	75.9	77.01
Hourly Means.	82.03	82.03	81.64	80.86	80.12	79.14	77.95	77.23	76.47	75.96	75.57	75.12	77.20	

RELATIVE HUMIDITY OF THE AIR.

SATURATION = 1000.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
F E B R U A R Y.	1	870	895	903	919	936	928	929	865	795	784	750	665	—
	2	940	931	939	947	947	946	956	907	825	745	691	736	—
	3	939	939	939	939	930	946	937	906	848	725	662	627	—
	4	958	957	957	957	957	957	957	949	870	805	733	755	—
	5	965	965	965	965	956	955	965	939	853	782	680	695	—
	6	916	932	932	940	932	923	905	899	875	853	825	757	—
	7	956	965	965	965	965	965	965	957	886	777	740	683	—
	8	965	955	964	946	946	954	955	897	821	757	777	724	—
	9	938	956	965	964	955	955	946	897	845	755	651	657	—
	10	940	956	939	965	973	973	973	973	973	965	973	957	—
	11	947	921	912	937	955	956	938	897	851	809	775	746	—
	12	898	905	921	930	946	937	930	857	794	767	756	732	—
	13	889	889	905	913	946	937	937	904	866	873	850	851	—
	14	896	912	903	911	929	929	929	880	859	822	877	844	—
	15	956	956	965	973	965	965	965	956	900	800	814	837	—
	16	965	956	965	965	973	964	973	964	965	940	869	826	—
	17	940	911	902	937	964	973	973	982	973	956	957	907	—
	18	947	947	956	964	973	956	973	948	893	790	776	751	—
	19	923	939	956	956	965	956	947	923	816	715	729	730	—
	20	957	948	940	966	966	974	974	966	949	966	886	885	—
	21	973	973	983	965	973	973	982	973	929	973	964	946	—
	22	973	973	973	973	973	964	964	939	852	810	804	776	—
	23	974	973	965	973	964	964	964	964	947	915	830	804	—
	24	930	947	956	956	965	965	965	924	855	755	700	715	—
	25	973	982	991	956	973	946	954	973	965	922	921	874	—
	26	914	947	956	947	956	965	965	947	940	901	803	764	—
	27	938	956	956	965	965	965	973	931	916	824	769	766	—
	28	965	973	973	955	973	964	964	956	860	788	732	680	—
	29	956	956	973	964	964	973	965	922	875	839	790	715	—
Hourly Means.		941	945	949	952	958	956	956	931	883	831	796	773	—
Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
F E B R U A R Y.	1	631	680	693	705	737	762	803	863	893	908	916	931	823
	2	790	721	702	750	750	790	848	885	907	916	923	923	851
	3	685	678	677	726	723	750	798	827	835	909	933	942	826
	4	728	739	768	898	938	930	930	956	965	956	957	956	897
	5	665	715	797	709	728	755	863	886	885	917	916	924	852
	6	753	749	784	762	790	812	841	925	924	947	947	939	869
	7	817	923	914	948	957	966	956	965	965	956	956	956	920
	8	775	714	712	671	776	834	914	922	921	930	921	930	862
	9	715	689	724	773	870	870	869	901	908	925	925	948	858
	10	916	869	832	832	839	862	900	891	931	930	930	930	926
	11	721	678	641	639	635	708	801	829	843	858	865	881	823
	12	676	697	702	713	739	729	771	814	844	852	858	882	819
	13	821	828	834	834	874	898	905	904	904	904	913	904	887
	14	761	848	782	748	746	795	892	916	931	940	947	939	872
	15	791	770	818	782	795	781	916	915	956	965	965	965	895
	16	719	731	716	741	769	796	823	892	916	907	924	940	883
	17	789	798	789	780	817	839	892	907	932	940	948	947	906
	18	725	710	744	744	763	812	855	878	908	925	932	915	866
	19	793	826	834	825	825	855	909	933	942	950	958	949	881
	20	797	813	792	766	827	864	894	909	965	965	965	965	912
	21	904	898	873	872	864	872	901	913	947	956	947	965	938
	22	762	712	736	765	787	832	876	907	947	947	956	966	882
	23	735	702	728	749	761	803	839	831	845	907	931	922	875
	24	700	714	756	748	748	782	855	886	925	956	929	956	858
	25	817	712	718	712	704	751	844	890	906	923	930	939	887
	26	791	724	697	695	748	811	831	885	869	892	899	914	865
	27	697	681	789	886	918	925	915	923	948	948	947	956	894
	28	639	625	655	657	805	922	931	948	948	948	957	956	866
	29	758	763	763	761	781	875	940	940	957	966	966	966	889
Hourly Means.		754	749	758	765	794	827	873	898	916	929	933	938	875

DIRECTION OF THE WIND.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12
FEBRUARY.	1	C	C	C	C	C	C	C	NNE	NNE	NNE	NNE	NNE
	2	C	C	C	C	C	C	C	NNE	NNE	ENE	ENE	ENE
	3	C	C	C	C	C	C	C	C	NE	NE	NE	NE
	4	C	C	C	C	C	C	C	C	NNE	NNE	NNE	NNE
	5	C	C	C	C	C	C	C	C	SW	SW	SW	SW
	6	C	C	C	C	C	NW	NE	NE	NE	C	C	C
	7	C	C	NE	C	C	C	C	NE	ENE	ENE	E	ENE
	8	C	C	C	C	C	C	NE	NE	C	NE	NE	NNE
	9	C	C	C	C	C	C	C	WSW	W	WNW	NW	WNW
	10	W	W	WNW	WNW	WNW	WNW	C	C	C	C	WNW	WNW
	11	C	C	C	C	C	NW	NW	WNW	WNW	W	W	WNW
	12	C	C	C	C	C	C	C	W	W	W	W	W
	13	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW
	14	W	C	W	C	C	C	C	C	W	W	W	W
	15	C	C	C	C	C	C	C	NNW	NNE	NNW	N	N
	16	C	C	C	N	N	N	N	C	C	C	N	NW
	17	N	WNW	WNW	WNW	C	C	C	C	C	C	C	WNW
	18	C	C	NNW	C	C	C	C	C	NNW	NW	NW	NNW
	19	C	C	C	C	C	C	C	C	NNW	NW	NW	NW
	20	C	C	C	C	C	C	C	C	C	NNW	NW	NNW
	21	C	C	C	C	C	C	C	NNW	W	C	C	W
	22	C	C	C	C	C	C	C	C	NW	NW	NW	NNW
	23	N	NW	NW	C	NW	WNW	C	WNW	WNW	WNW	WNW	NW
	24	C	C	C	C	C	C	C	NW	NW	NW	NNW	NNW
	25	C	C	C	NNW	NNW	NNW	NW	WNW	C	NW	WNW	W
	26	NW	C	C	C	C	C	C	C	C	C	NW	NW
	27	NW	C	C	C	C	C	C	C	NNW	NW	NW	NW
	28	C	C	C	C	C	WNW	C	C	WNW	WNW	W	W
	29	C	C	C	C	C	C	W	C	W	W	WNW	NW

Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12
FEBRUARY.	1	NNE	N	N	NE	NNE	NNE	C	C	C	C	C	C
	2	ENE	ENE	NNE	NE	NE	NE	C	C	C	C	C	C
	3	NE	NE	NNE	NNE	NNE	C	C	C	C	C	NNE	C
	4	NNE	N	NNW	SW	SW	C	C	SW	C	C	C	C
	5	SW	SW	SW	NW	NW	NW	C	C	C	C	C	C
	6	NE	NE	NNE	NNE	NNE	NNE	NNE	NE	NE	NE	C	C
	7	ENE	NE	NE	C	C	NE	NE	C	C	C	C	C
	8	NNE	N	N	N	N	WSW	WSW	WSW	C	C	C	C
	9	NW	NW	NNW	W	C	C	C	C	C	C	W	W
	10	WNW	NW	NW	C	C	C	NW	C	C	C	C	C
	11	NW	WNW	WNW	WNW	W	W	W	W	W	C	W	C
	12	WSW	W	W	W	W	WNW	WNW	WNW	WNW	WNW	WNW	WNW
	13	WNW	WNW	WNW	W	W	W	W	W	W	C	C	C
	14	WNW	WNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	C	C	C
	15	NNE	NNW	N	N	N	N	WNW	WNW	N	N	N	C
	16	NNW	NNW	N	N	N	N	C	C	C	C	C	C
	17	NW	NW	NNW	NNW	NNW	C	C	C	C	C	C	C
	18	NNW	NW	N	N	N	C	C	C	C	C	C	C
	19	NW	NNW	NNW	NNW	NNW	C	C	C	C	C	C	C
	20	NNW	NNW	NNW	NNW	N	C	C	C	SW	NNE	C	C
	21	C	C	C	C	C	C	C	C	C	NW	C	C
	22	NNW	NNW	N	N	N	C	C	N	C	C	C	C
	23	NNW	N	NNW	N	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NW
	24	NW	NNW	N	N	NNE	NNE	C	C	NNE	NNE	NNE	C
	25	W	WNW	C	C	C	C	C	C	C	C	C	C
	26	NW	NNW	NW	NW	N	N	C	C	C	C	C	N
	27	NW	NNW	NW	C	WNW	WNW	C	C	C	C	C	C
	28	WNW	NW	WNW	NW	W	W	C	C	C	W	C	C
	29	NNW	NNW	NNW	NNW	NNW	NNW	C	C	C	NNW	C	C

VELOCITY OF THE WIND IN KILOMETERS PER HOUR.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
FEBRUARY.	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.6	4.8	4.8	8.9	—
	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	3.2	6.4	8.0	5.6	—
	3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	3.2	4.8	3.2	—
	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	4.0	—
	5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.6	1.6	0.8	2.4	—
	6	0.0	0.0	0.0	0.0	0.0	1.6	3.2	3.2	1.6	0.0	0.0	0.0	—
	7	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.8	3.2	10.5	10.5	12.9	—
	8	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.0	1.6	3.2	6.4	—
	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	5.6	7.2	8.9	11.3	—
	10	2.4	4.0	3.2	3.2	2.4	1.6	0.0	0.0	0.0	0.0	0.8	0.8	—
	11	0.0	0.0	0.0	0.0	0.0	0.8	0.8	3.2	2.4	2.4	2.4	4.0	—
	12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	3.2	4.0	5.6	6.4	—
	13	5.6	3.2	2.4	2.4	1.6	0.8	0.8	1.6	6.4	8.0	8.9	6.4	—
	14	0.8	0.0	0.8	0.0	0.0	0.0	0.0	0.0	1.6	4.0	6.4	7.2	—
	15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	5.6	6.4	6.4	10.5	—
	16	0.0	0.0	0.0	3.2	0.8	0.8	0.8	0.0	0.0	0.0	3.2	8.0	—
	17	3.2	0.8	1.6	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	—
	18	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.0	0.8	4.0	4.0	4.8	—
	19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	5.6	5.6	6.4	—
	20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	8.0	10.5	—
	21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.0	0.0	0.8	—
	22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	4.0	6.4	9.7	—
	23	2.4	8.9	2.4	0.0	4.0	1.6	0.0	0.8	0.8	0.8	1.6	4.8	—
	24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	5.6	8.9	10.5	8.0	—
	25	0.0	0.0	0.0	0.8	0.8	9.7	4.8	0.8	0.0	2.4	3.2	0.8	—
	26	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	3.2	—
	27	7.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	3.2	3.2	1.6	—
	28	0.0	0.0	0.0	0.0	0.0	0.8	0.0	0.0	1.6	4.8	5.6	6.4	—
	29	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.0	0.8	4.0	8.9	12.1	—
Hourly Means.		0.77	0.58	0.41	0.36	0.33	0.61	0.41	0.77	1.79	3.43	4.62	5.84	—
Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
FEBRUARY.	1	9.7	12.9	12.1	12.9	9.7	2.4	0.0	0.0	0.0	0.0	0.0	0.0	3.36
	2	3.2	6.4	8.0	4.8	5.6	0.8	0.0	0.0	0.0	0.0	0.0	0.0	2.20
	3	5.6	5.6	6.4	8.0	1.6	0.0	0.0	0.0	0.0	0.0	0.8	0.0	1.70
	4	7.2	12.9	8.9	4.0	2.4	0.0	0.0	0.8	0.0	0.0	0.0	0.0	1.78
	5	6.4	7.2	5.6	4.8	4.0	0.8	0.0	0.0	0.0	0.0	0.0	0.0	1.43
	6	0.8	2.4	4.8	5.6	2.4	0.8	3.2	1.6	0.8	0.8	0.0	0.0	1.37
	7	11.3	9.7	2.4	0.0	0.0	0.8	0.8	0.0	0.0	0.0	0.0	0.0	2.65
	8	8.9	11.3	11.3	10.5	6.4	5.6	2.4	0.8	0.0	0.0	0.0	0.0	2.92
	9	8.9	12.9	10.5	3.2	0.0	0.0	0.0	0.0	0.0	0.0	1.6	4.0	3.25
	10	3.2	3.2	1.6	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.0	1.13
	11	8.0	12.9	9.7	9.7	7.2	4.8	3.2	0.8	0.8	0.0	0.8	0.0	3.08
	12	9.7	14.5	12.9	12.9	9.7	8.0	6.4	4.0	4.0	1.6	1.6	3.2	4.52
	13	7.2	8.9	8.0	4.8	1.6	1.6	1.6	0.8	0.8	0.0	0.0	0.0	3.48
	14	7.2	2.4	5.6	4.0	4.8	0.8	0.8	0.8	0.8	0.0	0.0	0.0	2.00
	15	11.3	13.7	12.1	8.0	6.4	5.6	2.4	3.2	0.8	0.8	0.8	0.0	4.02
	16	12.9	12.1	10.5	7.2	4.8	2.4	0.0	0.0	0.0	0.0	0.0	0.0	2.78
	17	5.6	5.6	8.0	6.4	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.53
	18	6.4	7.2	5.6	3.2	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.60
	19	8.9	8.0	4.8	3.2	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.84
	20	4.8	4.0	2.4	3.2	1.6	0.0	0.0	0.0	5.6	3.2	0.0	0.0	1.84
	21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	0.0	0.0	0.17
	22	11.3	14.5	11.3	4.8	1.6	0.0	0.0	1.6	0.0	0.0	0.0	0.0	2.82
	23	8.0	8.9	10.5	9.7	4.0	2.4	0.8	0.8	3.2	5.6	3.2	1.6	3.62
	24	8.0	9.7	10.5	7.2	6.4	2.4	0.0	0.0	1.6	5.6	2.4	0.0	3.68
	25	0.8	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.10
	26	4.8	6.4	9.7	8.0	3.2	0.8	0.0	0.0	0.0	0.0	0.0	4.0	1.77
	27	4.8	6.4	4.8	0.0	1.6	0.8	0.0	0.0	0.0	0.0	0.0	0.0	1.43
	28	6.4	7.2	8.9	6.4	3.2	0.8	0.0	0.0	0.0	0.8	0.0	0.0	2.20
	29	13.7	13.7	12.9	9.7	4.0	0.8	0.0	0.0	0.0	0.8	0.0	0.0	3.43
Hourly Means.		7.07	8.38	7.58	5.59	3.34	1.46	0.77	0.52	0.63	0.72	0.39	0.44	2.37

CLOUDS.

CLEAR = 0. — OVERCAST = 10.

Mean Batavia Time.		1 A.M.	2	3	4	5	6	7	8	9	10	11	12	—
FEBRUARY.	1	3	5	8	10	9	6	3	3	2	6	6	2	—
	2	3	2	3	5	3	6	5	3	4	6	6	7	—
	3	6	4	4	6	4	7	8	5	6	6	6	8	—
	4	10	10	8	8	7	10	10	6	4	2	8	9	—
	5	3	4	3	4	4	6	10	8	7	8	6	8	—
	6	7	9	10	10	9	6	10	10	9	9	9	9	—
	7	6	3	2	4	4	9	6	7	5	6	6	7	—
	8	7	6	6	7	8	6	8	7	6	7	8	6	—
	9	8	6	5	5	7	7	4	2	1	0	4	7	—
	10	10	10	10	10	10	10	10	10	10	10	10	10	—
	11	8	6	8	9	9	7	8	6	5	6	6	6	—
	12	9	4	2	0	2	6	5	3	4	6	6	7	—
	13	10	10	10	10	10	10	10	10	10	10	10	10	—
	14	9	8	8	6	7	10	6	2	7	9	10	6	—
	15	10	10	10	10	10	10	10	10	10	10	10	10	—
	16	10	9	9	10	10	10	10	10	10	8	8	7	—
	17	10	9	10	10	10	9	9	10	6	6	7	5	—
	18	7	9	10	10	10	10	9	7	7	6	8	8	—
	19	2	2	3	4	6	9	4	3	2	0	9	7	—
	20	10	10	10	10	10	10	10	10	10	10	10	10	—
	21	10	8	9	10	10	8	10	10	10	10	10	10	—
	22	5	6	4	2	2	4	6	6	7	9	9	9	—
	23	10	10	10	10	10	10	10	10	10	9	9	9	—
	24	10	7	9	9	9	7	6	5	8	6	4	6	—
	25	10	10	10	10	10	10	10	10	10	10	10	7	—
	26	5	3	8	10	10	10	10	10	10	9	8	8	—
	27	10	9	10	10	8	7	6	6	5	7	6	5	—
	28	6	7	4	7	6	7	7	6	4	3	4	4	—
	29	3	4	4	6	7	9	6	7	8	7	9	5	—
Hourly Means.		7.5	6.9	7.1	7.7	7.6	8.1	7.8	7.0	6.8	6.9	7.7	7.3	—
Mean Batavia Time.		1 P.M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
FEBRUARY.	1	3	2	2	2	1	3	2	6	5	6	4	6	4.4
	2	8	8	7	6	5	4	2	5	4	2	2	2	4.5
	3	6	6	8	8	5	7	3	9	9	10	10	10	6.7
	4	7	5	7	10	9	9	8	8	9	10	10	10	8.1
	5	7	10	10	6	3	0	9	8	6	7	6	7	6.3
	6	9	10	9	9	8	9	10	10	10	10	10	8	9.1
	7	10	10	10	10	10	10	10	10	10	8	8	8	7.5
	8	7	8	6	5	8	10	10	10	10	8	7	8	7.5
	9	5	7	6	10	8	9	9	7	8	8	10	10	6.4
	10	8	10	8	10	5	6	9	7	9	9	10	9	9.2
	11	7	4	4	2	7	4	6	9	10	7	8	4	6.5
	12	7	8	9	9	8	9	9	10	10	10	10	10	6.8
	13	8	6	6	4	7	8	8	9	10	9	9	9	8.9
	14	9	7	9	9	7	8	10	10	10	10	10	10	8.2
	15	10	7	4	2	10	10	10	10	10	9	9	10	9.2
	16	8	7	5	5	4	6	7	10	10	7	6	7	8.0
	17	7	7	7	6	4	4	6	9	7	6	4	5	7.2
	18	6	6	8	8	7	9	3	4	3	1	1	1	6.6
	19	10	10	10	10	9	10	10	10	9	9	10	10	7.0
	20	10	10	7	6	10	8	5	7	10	10	10	10	9.3
	21	10	10	10	10	10	10	10	10	10	10	10	10	9.8
	22	7	4	8	9	9	7	7	10	10	10	10	10	7.1
	23	8	6	9	9	7	9	4	6	9	10	10	10	8.9
	24	9	9	8	8	6	4	8	9	10	10	10	10	7.8
	25	6	4	7	4	2	4	3	1	1	2	2	4	6.5
	26	8	7	4	3	4	5	7	5	9	10	9	10	7.6
	27	3	7	9	10	10	10	10	10	7	5	5	4	7.5
	28	7	8	8	9	10	10	10	9	8	6	2	2	6.4
	29	4	6	6	8	10	10	10	10	10	10	10	9	7.4
Hourly Means.		7.4	7.2	7.3	7.1	7.0	7.3	7.4	8.2	8.4	7.9	7.7	7.7	7.46

BAROMETRIC PRESSURE.

BAROMETER AT 0°C = 750 MILLIMETRES + THE NUMBERS IN THE TABLE.

Mean Batavia Time.	1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—	
M A R C H.	1	9.29	8.65	8.05	8.02	8.34	8.36	8.76	9.25	9.69	10.05	9.72	8.79	—
	2	8.41	7.84	7.86	7.77	7.93	8.43	8.95	9.43	9.51	9.82	9.65	8.70	—
	3	8.55	8.11	7.47	7.38	7.50	7.71	8.33	8.77	9.07	8.89	8.68	8.22	—
	4	8.89	8.61	8.31	8.37	8.93	9.00	9.63	10.13	10.24	9.86	9.10	8.48	—
	5	8.63	7.85	7.52	7.48	7.60	7.76	8.29	8.87	9.17	8.80	8.43	7.67	—
	6	7.41	6.94	6.77	6.70	6.87	7.10	7.62	7.76	7.76	7.48	7.34	6.53	—
	7	7.71	7.09	6.76	6.71	6.93	7.10	7.41	7.78	7.72	7.59	7.48	6.94	—
	8	7.40	6.81	6.72	6.75	6.92	6.95	7.32	7.88	8.29	8.24	8.12	7.39	—
	9	7.78	7.14	7.00	6.95	7.41	7.72	8.46	9.20	9.52	9.53	9.33	8.58	—
	10	9.38	8.96	8.71	8.40	8.80	9.45	10.31	10.89	10.77	10.68	10.38	9.83	—
	11	10.07	10.09	9.99	9.99	10.35	10.71	11.03	11.39	11.78	11.71	11.54	10.98	—
	12	11.08	10.70	10.56	10.43	10.54	10.95	11.16	11.64	11.78	11.79	11.72	11.17	—
	13	10.58	10.19	9.69	9.51	9.33	9.68	9.97	10.16	10.19	10.00	9.72	9.55	—
	14	9.55	9.07	8.77	8.78	8.83	9.38	9.88	10.36	10.66	10.74	10.28	9.93	—
	15	9.59	8.95	8.88	8.76	9.04	9.23	9.87	10.27	10.46	10.29	9.87	9.33	—
	16	9.32	8.89	8.41	8.58	8.65	8.96	9.30	9.61	9.96	10.14	9.79	9.11	—
	17	9.12	8.67	8.77	9.17	8.92	9.45	9.87	10.01	10.44	10.43	10.03	9.11	—
	18	9.32	8.82	8.50	8.62	8.83	9.30	9.60	10.26	10.48	10.43	9.94	9.38	—
	19	9.31	8.88	8.65	8.50	8.56	9.09	9.77	10.14	10.45	10.03	9.44	8.57	—
	20	8.87	8.55	8.00	8.03	8.14	8.56	8.93	9.31	9.36	9.14	8.58	7.80	—
	21	7.92	7.20	6.87	6.91	6.92	7.48	8.02	8.56	8.92	8.82	8.11	7.55	—
	22	7.63	7.38	6.91	6.71	7.42	7.73	8.17	8.88	9.29	8.99	8.65	8.39	—
	23	8.11	7.82	7.53	7.35	7.55	8.01	8.54	9.10	9.56	9.80	9.27	8.71	—
	24	9.02	8.67	8.27	8.27	8.66	8.81	9.35	9.86	9.96	9.74	8.93	7.88	—
	25	8.41	8.06	7.76	7.81	7.84	8.22	8.87	9.24	9.42	9.65	9.08	8.28	—
	26	8.62	8.04	7.77	7.64	8.06	8.21	8.89	9.40	9.70	9.77	9.20	8.54	—
	27	7.97	7.84	7.55	7.27	7.40	8.07	8.53	9.02	9.21	9.11	8.68	8.10	—
	28	8.65	7.95	7.86	7.77	7.90	8.28	8.71	9.48	9.85	9.83	9.27	8.38	—
	29	8.70	8.32	8.28	8.00	8.07	8.29	8.86	9.27	9.50	9.37	8.85	8.14	—
	30	8.92	8.45	8.36	8.38	8.55	9.01	9.64	9.80	10.44	10.20	9.77	9.23	—
	31	8.85	8.07	7.80	7.83	7.75	8.02	8.97	9.11	9.10	8.98	8.64	8.55	—
Hourly Means.	8.81	8.34	8.08	8.03	8.21	8.55	9.06	9.51	9.75	9.67	9.28	8.64	—	
Mean Batavia Time.	1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.	
M A R C H.	1	7.93	7.50	6.84	6.77	6.95	7.53	8.38	8.54	8.86	9.26	9.10	8.86	8.48
	2	7.98	7.65	7.59	7.36	7.44	7.74	8.01	8.75	9.36	9.90	9.40	9.13	8.53
	3	7.52	7.07	6.93	6.68	6.90	7.65	8.13	8.80	9.35	9.47	9.60	9.30	8.17
	4	7.84	6.87	6.47	6.37	6.64	7.05	7.59	8.44	8.87	9.30	9.35	9.06	8.48
	5	6.74	5.92	5.51	5.43	5.58	6.45	7.09	7.88	8.44	9.08	8.40	7.54	7.59
	6	6.16	5.63	5.07	4.92	5.28	6.49	7.48	8.09	8.72	8.75	8.57	8.05	7.06
	7	6.26	5.67	5.38	5.78	5.15	6.36	6.83	7.42	8.06	8.46	8.36	7.84	7.03
	8	6.38	5.43	4.93	4.66	5.13	5.76	6.26	7.04	7.70	8.14	8.09	7.78	6.92
	9	7.88	7.08	6.34	6.61	7.01	7.79	8.43	8.84	9.87	10.39	10.10	9.75	8.28
	10	9.32	8.51	8.21	7.99	8.12	9.00	9.91	10.48	11.06	11.34	11.19	10.68	9.68
	11	10.32	9.85	9.50	9.60	9.64	10.08	10.83	11.47	12.19	12.66	12.54	11.91	10.84
	12	10.60	10.29	9.84	9.67	9.84	10.39	10.79	10.99	11.17	11.23	11.20	10.96	10.85
	13	9.26	8.73	8.34	8.35	8.48	8.76	9.20	9.78	10.05	10.51	10.33	10.08	9.60
	14	9.05	8.14	7.76	7.51	7.50	8.10	8.86	9.45	9.84	10.25	10.45	10.21	9.31
	15	8.39	7.58	7.46	7.43	7.57	8.23	8.36	9.05	9.58	9.83	9.62	9.63	9.05
	16	8.37	7.93	7.38	6.90	7.14	8.69	8.23	8.51	8.80	9.48	9.67	9.39	8.80
	17	8.24	7.87	7.41	7.52	7.72	8.03	8.60	9.42	9.65	9.98	9.99	9.70	9.09
	18	8.36	7.63	7.19	8.57	8.56	9.00	9.15	9.16	9.24	9.25	9.54	9.56	9.11
	19	7.74	7.22	6.52	6.54	6.99	7.84	8.65	9.29	9.60	9.85	9.88	9.42	8.79
	20	7.00	7.55	7.04	6.54	6.75	7.17	7.85	8.35	8.71	8.81	8.82	8.26	8.17
	21	6.52	6.36	5.83	6.08	6.70	6.71	7.20	7.86	8.22	8.37	8.25	7.87	7.47
	22	7.80	6.84	6.57	6.74	6.79	7.25	7.99	8.39	9.02	8.85	8.48	8.13	7.88
	23	8.60	7.77	7.32	7.14	7.39	7.80	8.32	8.95	9.27	9.66	9.53	9.35	8.44
	24	6.78	6.27	5.79	5.84	6.38	7.04	7.70	8.00	8.69	9.00	9.07	8.74	8.20
	25	7.48	6.74	6.29	6.19	6.72	6.99	7.69	8.45	8.71	9.35	9.62	9.33	8.18
	26	7.88	7.18	6.47	6.09	6.33	6.70	7.46	8.09	8.65	8.70	8.77	8.70	8.12
	27	7.55	6.68	6.39	6.73	6.69	7.56	7.85	8.25	8.96	9.26	9.16	8.84	8.03
	28	7.84	7.24	6.79	6.74	6.81	7.30	7.70	8.09	8.69	8.77	9.10	9.12	8.26
	29	7.46	6.64	6.31	6.66	7.27	7.93	8.65	8.85	9.43	9.68	9.70	9.30	8.40
	30	8.40	7.93	7.32	7.19	7.35	7.68	8.35	8.68	9.48	9.55	9.74	9.32	8.82
	31	7.89	6.98	6.68	6.93	7.65	8.06	8.81	9.38	9.72	9.62	9.54	9.35	8.43
Hourly Means.	7.92	7.31	6.89	6.89	7.11	7.71	8.27	8.80	9.29	9.57	9.52	9.20	8.52	

STANDARD THERMOMETER.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
MARCH.	1	75.7	75.4	74.9	74.4	74.0	73.7	74.0	75.8	79.0	78.0	79.0	81.5	—
	2	75.7	75.5	75.0	74.7	74.7	74.6	74.8	75.0	76.0	79.0	80.4	81.3	—
	3	73.9	73.7	73.3	73.2	72.8	72.1	72.5	74.6	78.4	81.2	83.3	84.0	—
	4	75.6	74.7	74.5	72.8	72.4	72.4	73.1	74.0	75.5	78.0	80.3	81.4	—
	5	75.0	74.4	74.0	73.1	72.7	72.3	73.0	76.0	79.0	82.0	84.0	85.5	—
	6	75.6	75.2	74.7	74.4	73.8	73.4	73.7	75.7	79.3	82.9	85.5	87.0	—
	7	74.3	73.9	73.8	73.6	73.3	73.4	73.7	76.1	79.4	82.8	85.0	86.4	—
	8	75.4	74.8	74.4	74.0	73.6	73.0	73.2	76.0	79.0	82.2	83.3	84.9	—
	9	77.4	77.0	76.4	76.0	75.2	75.0	75.6	76.9	79.4	82.6	83.1	83.2	—
	10	75.6	74.6	73.9	73.7	73.5	73.1	73.5	75.5	78.9	81.3	83.0	83.9	—
	11	75.7	74.7	74.0	73.8	73.8	73.8	74.0	74.3	74.8	76.9	78.7	79.3	—
	12	73.0	72.8	72.6	72.7	72.8	72.7	73.0	74.4	75.8	77.4	79.0	79.7	—
	13	74.6	74.5	74.0	73.5	73.0	72.7	73.0	74.5	76.6	79.0	81.0	82.7	—
	14	75.6	75.2	75.0	74.4	74.5	74.3	75.0	76.1	77.0	77.6	77.0	76.6	—
	15	74.3	73.3	72.9	72.4	72.0	71.7	72.1	75.5	79.1	81.2	82.8	83.6	—
	16	75.4	74.8	74.3	74.1	73.9	74.1	74.1	75.7	76.9	79.3	80.9	82.1	—
	17	75.6	75.9	76.0	72.6	71.9	72.2	72.4	74.3	76.5	78.5	80.9	83.5	—
	18	75.0	74.8	74.1	73.8	73.4	73.2	73.6	75.8	79.0	82.0	84.6	85.4	—
	19	72.8	72.8	72.4	72.1	72.6	72.3	72.6	75.0	78.2	80.4	82.5	84.8	—
	20	72.7	72.1	71.9	71.2	71.2	71.0	71.5	74.1	77.1	80.0	82.5	83.8	—
	21	73.2	72.5	72.2	72.2	71.7	71.2	72.2	75.4	76.9	78.2	81.9	84.1	—
	22	74.5	74.0	74.0	74.0	73.7	72.8	73.9	76.4	78.7	80.8	81.9	77.5	—
	23	74.8	74.4	74.1	73.7	73.2	72.9	73.4	76.5	79.5	81.0	82.2	80.8	—
	24	74.0	73.6	73.3	73.6	73.6	73.6	74.0	75.9	78.0	79.5	81.6	83.6	—
	25	77.4	77.0	76.4	75.6	75.5	75.0	75.3	77.7	81.0	83.3	84.2	85.8	—
	26	76.9	76.7	76.2	75.8	75.6	75.2	75.6	77.1	79.0	80.4	82.6	84.3	—
	27	75.9	75.6	75.3	74.8	74.6	74.2	74.8	75.9	77.8	80.7	82.7	81.4	—
	28	76.1	75.4	75.0	74.2	74.0	73.6	74.0	75.3	77.2	78.7	80.1	80.4	—
	29	74.0	73.4	73.0	72.8	72.6	72.1	72.6	74.7	78.3	81.6	84.3	85.2	—
	30	75.1	75.0	74.9	74.4	74.0	73.7	74.3	76.9	79.4	80.8	82.4	79.8	—
	31	75.3	75.3	74.5	74.0	73.5	73.5	74.2	76.4	79.6	81.8	82.8	81.8	—
Hourly Means.		75.04	74.61	74.23	73.73	73.45	73.19	73.64	75.60	78.07	80.29	82.05	82.75	—
Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
MARCH.	1	82.2	82.6	83.0	82.0	79.6	79.5	78.8	78.3	76.8	76.8	76.4	76.0	77.81
	2	82.4	82.2	78.2	76.5	75.7	75.8	75.5	75.5	75.5	75.3	75.0	74.5	76.62
	3	84.0	79.4	82.2	82.4	81.6	79.0	78.4	78.0	77.6	77.0	76.6	76.2	77.73
	4	83.4	84.3	84.4	83.7	81.0	77.8	77.4	77.2	77.0	76.5	76.0	75.4	77.45
	5	85.9	83.9	85.0	84.6	81.2	79.7	79.2	79.0	78.6	77.7	76.7	76.0	78.69
	6	88.0	86.6	85.5	84.6	83.7	77.0	75.8	76.4	75.9	75.5	74.8	74.7	78.74
	7	87.1	86.4	85.1	77.2	77.8	77.8	77.1	76.6	76.5	76.4	76.0	75.8	78.15
	8	86.0	88.4	88.0	85.0	84.0	83.6	82.5	81.2	80.0	78.8	78.2	77.8	79.89
	9	83.8	84.5	84.8	83.3	82.3	81.5	80.5	79.4	79.2	78.8	7.86	78.4	79.70
	10	85.1	84.0	83.3	82.7	82.4	81.4	80.9	80.2	79.0	77.5	76.6	76.3	78.75
	11	80.6	81.0	80.5	80.0	78.6	76.6	76.2	75.8	75.4	73.5	73.0	73.0	76.17
	12	81.9	81.0	81.2	81.9	80.4	79.3	77.6	76.6	75.6	75.0	74.5	74.5	76.48
	13	82.2	82.6	82.4	82.2	79.7	77.2	76.2	75.6	75.6	75.6	75.5	75.4	77.05
	14	77.0	77.5	78.2	78.6	78.6	78.1	77.2	77.0	76.5	76.3	75.9	75.0	76.43
	15	83.3	81.4	84.0	82.9	82.0	81.0	79.5	78.2	77.4	76.5	76.3	75.7	78.00
	16	83.5	81.3	81.1	82.3	81.8	80.6	79.4	78.4	77.6	77.1	76.8	76.2	77.99
	17	84.7	85.3	84.3	83.7	82.0	80.9	78.6	78.0	77.5	77.0	76.5	75.5	78.10
	18	86.3	84.5	84.9	73.6	73.0	74.2	74.0	74.0	74.0	73.4	73.2	73.0	76.78
	19	84.7	83.0	83.2	81.6	79.2	78.4	76.8	74.7	74.0	73.7	73.5	73.0	76.85
	20	85.7	77.3	76.4	76.2	76.2	76.1	75.5	75.2	75.2	75.0	74.2	73.7	75.66
	21	83.3	79.4	79.5	78.3	77.6	77.1	77.0	76.4	76.0	75.4	74.8	74.5	76.29
	22	76.7	77.7	76.5	78.1	77.7	78.0	77.5	76.7	76.5	75.5	74.6	75.0	76.36
	23	74.3	74.6	74.7	75.7	76.3	75.5	74.9	74.4	74.0	74.0	73.9	73.9	75.53
	24	84.7	86.0	85.6	85.1	83.0	81.0	79.9	79.4	79.0	78.7	78.2	77.8	78.86
	25	86.6	85.0	85.6	84.5	79.3	78.1	78.9	78.9	78.7	78.0	77.9	77.5	79.72
	26	83.6	84.0	80.0	79.0	79.3	79.4	78.0	78.0	77.4	77.1	76.6	76.1	78.50
	27	82.8	82.5	81.8	80.0	78.3	77.4	77.2	76.6	76.2	75.6	75.9	76.3	77.68
	28	81.5	81.9	81.3	81.3	79.6	78.4	77.1	76.5	75.9	75.2	75.0	74.7	77.18
	29	85.2	84.3	85.1	81.0	80.9	80.7	78.6	76.8	76.6	76.1	75.8	75.6	77.97
	30	82.2	81.6	80.1	80.9	81.2	80.0	79.0	78.4	77.7	76.9	76.3	76.1	77.96
	31	80.1	82.8	83.3	81.4	79.6	78.0	77.1	76.7	75.5	75.5	75.1	74.8	77.61
Hourly Means.		83.19	82.58	82.23	80.98	79.79	78.68	77.82	77.23	76.72	76.17	75.75	75.43	77.64

RELATIVE HUMIDITY OF THE AIR.

SATURATION = 1000.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
M A R C H.	1	966	966	966	965	965	965	965	940	878	893	854	799	—
	2	957	948	957	965	974	965	966	966	923	870	834	813	—
	3	965	965	965	965	973	955	955	904	822	770	719	728	—
	4	957	966	956	937	937	946	964	965	957	885	826	799	—
	5	939	930	930	937	955	955	964	865	801	709	668	667	—
	6	948	948	947	947	965	965	965	864	839	732	673	653	—
	7	956	956	956	956	965	973	965	923	824	780	717	694	—
	8	931	947	947	947	947	955	955	923	831	709	659	645	—
	9	900	907	916	923	931	939	914	891	831	773	767	739	—
	10	923	930	938	929	938	946	920	905	831	770	711	693	—
	11	841	871	930	938	956	956	956	956	956	916	862	816	—
	12	929	920	929	946	946	946	937	904	898	875	839	824	—
	13	904	897	912	938	937	937	946	930	866	823	741	683	—
	14	957	966	966	983	956	965	966	932	916	884	875	906	—
	15	913	903	894	919	936	946	946	864	771	726	649	660	—
	16	940	939	939	947	938	938	947	931	891	823	761	736	—
	17	948	940	948	910	936	946	955	930	874	830	768	705	—
	18	930	939	939	947	947	946	938	873	801	729	657	635	—
	19	937	929	937	946	955	964	964	930	807	789	731	657	—
	20	955	928	946	963	963	963	964	939	875	781	709	687	—
	21	920	937	936	928	946	954	946	889	891	837	771	694	—
	22	904	913	904	904	912	937	930	899	822	804	784	900	—
	23	922	930	938	947	955	955	973	916	848	798	772	812	—
	24	956	973	973	938	947	965	965	948	893	840	785	720	—
	25	860	867	874	889	898	905	923	852	783	733	708	655	—
	26	900	916	932	940	957	957	957	916	894	835	766	701	—
	27	899	923	931	947	947	947	939	906	868	798	697	748	—
	28	899	931	930	947	956	956	947	914	884	831	803	789	—
	29	938	947	955	955	955	955	946	905	815	749	715	660	—
	30	930	939	947	939	956	965	956	892	832	798	765	855	—
	31	880	889	897	912	911	903	904	858	786	749	724	735	—
Hourly Means.		926	931	937	940	947	951	950	911	855	801	752	736	—
Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
M A R C H.	1	778	759	718	792	848	855	870	885	916	916	916	931	888
	2	758	758	893	932	948	940	948	940	948	957	966	965	920
	3	728	840	758	801	806	831	893	917	925	941	940	948	876
	4	727	695	682	727	836	876	900	916	924	932	923	940	882
	5	661	721	724	716	820	870	926	951	950	917	932	940	852
	6	620	702	739	729	740	883	914	923	931	931	939	947	852
	7	665	728	764	819	893	893	916	924	932	932	932	923	874
	8	642	555	583	665	700	761	787	790	833	817	869	892	805
	9	714	702	696	739	772	791	856	886	902	918	926	926	844
	10	677	721	712	738	751	784	805	856	891	875	883	890	834
	11	782	755	753	766	846	866	865	881	898	886	911	920	878
	12	771	768	761	757	781	794	813	834	864	872	888	897	862
	13	694	675	682	722	833	892	890	905	915	931	931	948	856
	14	883	852	846	846	854	877	883	907	932	940	931	922	914
	15	685	675	714	731	756	789	847	869	907	916	906	931	827
	16	672	739	754	721	749	782	855	869	901	916	916	924	855
	17	682	666	681	699	763	827	815	845	867	892	899	915	843
	18	619	723	738	853	929	930	947	956	947	947	946	946	865
	19	737	775	775	814	801	807	883	914	901	921	929	946	865
	20	641	859	915	906	923	899	923	880	832	855	888	903	879
	21	761	902	886	837	844	875	843	857	865	898	897	904	876
	22	932	925	924	917	908	901	900	891	891	905	904	897	896
	23	938	947	973	931	940	931	939	947	956	956	956	965	923
	24	696	642	673	659	671	705	759	786	816	823	846	852	826
	25	632	717	693	688	878	893	909	894	862	868	861	876	822
	26	740	714	802	784	816	816	837	821	859	867	883	882	854
	27	717	751	807	825	830	875	883	899	899	923	906	899	865
	28	756	777	776	791	824	853	867	874	890	914	922	930	873
	29	725	694	690	835	857	826	869	875	874	890	898	915	852
	30	779	771	788	783	776	781	793	770	790	842	873	865	849
	31	796	710	719	756	795	806	811	818	898	872	888	904	830
Hourly Means.		729	749	762	783	822	845	869	880	894	903	910	918	863

DIRECTION OF THE WIND.

Mean Batavia Time.	1 A. M.	2	3	4	5	6	7	8	9	10	11	12
MARCH.	1	C	C	C	C	C	NNW	NNW	NW	NW	NW	NNW
	2	C	C	C	C	C	C	W	W	NW	NW	NW
	3	C	C	C	C	C	C	C	WNW	WNW	WNW	N
	4	C	C	C	NW	WNW	C	WNW	WNW	WNW	WNW	NW
	5	C	C	C	C	C	C	C	C	NNW	NNW	NNW
	6	C	C	C	C	C	C	C	NW	NW	WNW	WNW
	7	C	C	C	C	C	C	S	S	SW	NW	NW
	8	C	C	C	C	C	C	C	SSW	SSW	SSW	SSW
	9	C	C	C	C	C	C	C	NNW	NNW	NNW	NNW
	10	N	N	N	C	C	C	C	N	NNW	NW	NNW
	11	NW	NW	NW	NW	C	C	C	C	NW	NW	NW
	12	NW	C	C	C	C	C	C	C	C	C	WNW
	13	C	C	C	C	C	C	N	C	N	NNW	N
	14	C	C	C	C	C	C	C	C	C	N	N
	15	C	N	C	C	C	C	C	N	ENE	ESE	ESE
	16	C	C	C	C	NNE	C	C	NNE	NNE	NNE	NE
	17	C	C	N	NW	NW	C	NW	NW	NW	NW	NW
	18	C	C	C	C	C	C	NNW	NW	WNW	W	WNW
	19	C	C	C	C	C	C	C	C	SW	W	WNW
	20	C	C	C	C	C	C	C	C	ENE	ENE	ENE
	21	C	C	C	C	C	C	C	W	W	NW	NW
	22	W	W	W	W	C	C	W	WNW	WNW	WNW	NW
	23	C	C	C	C	C	C	C	C	WNW	WNW	NNW
	24	C	C	C	C	C	C	C	C	NW	NW	NW
	25	C	C	C	C	C	C	C	W	W	W	NW
	26	C	C	C	C	C	C	C	NNW	N	N	NW
	27	C	C	C	C	C	C	C	C	WSW	WSW	NNW
	28	C	C	C	C	C	C	C	C	C	C	NW
	29	C	C	C	C	C	C	C	C	NW	NW	NW
	30	C	C	C	C	C	C	C	SW	SW	SW	NW
	31	C	C	C	C	C	C	C	W	W	W	NW

Mean Batavia Time.	1 P. M.	2	3	4	5	6	7	8	9	10	11	12
MARCH.	1	NNW	NW	NW	WNW	W	C	C	W	C	W	C
	2	NW	WNW	WNW	WNW	WNW	WNW	C	C	C	C	C
	3	N	NW	NW	NW	NW	NW	C	C	C	C	C
	4	NW	NW	NW	NW	NNW	NNW	C	C	C	C	C
	5	NW	NW	NW	NW	NW	C	C	C	C	C	C
	6	WNW	NNW	NNW	NNW	NNW	S	S	S	C	C	C
	7	NW	NW	NNW	SSW	SSW	SSW	C	C	C	C	C
	8	W	W	WNW	NW	NNW	NNW	NNW	NNW	NNW	C	C
	9	NNW	NW	NNW	NNW	N	N	C	C	C	C	N
	10	NNW	NNW	NNW	NNW	NNW	NNW	C	C	NNW	C	NNW
	11	NW	NW	NW	NW	WNW	WNW	C	C	WNW	NW	NW
	12	NW	N	N	N	N	N	C	C	C	C	C
	13	N	N	N	N	N	C	C	C	C	C	C
	14	N	N	N	N	C	C	C	C	C	C	C
	15	E	NNE	N	NNE	NNE	NNE	C	C	C	C	NNE
	16	N	NNE	NNE	N	N	N	C	C	C	C	C
	17	NW	NW	NNW	NNW	NNW	NNW	C	C	C	C	C
	18	NW	NW	NW	NW	S	S	C	C	C	C	C
	19	N	N	N	NNW	NNW	NNW	ENE	ENE	ENE	C	C
	20	NNW	WNW	WNW	WNW	C	C	WNW	WNW	W	W	W
	21	NNW	NW	WNW	WNW	W	W	W	W	W	W	W
	22	WNW	WNW	WNW	C	NW	C	NW	NW	WNW	WNW	WNW
	23	NW	C	C	NW	NW	NW	C	C	C	C	C
	24	WNW	WNW	WNW	WNW	W	W	C	C	C	C	C
	25	N	N	NNW	NNW	NNW	C	C	C	C	C	C
	26	NW	W	WSW	WSW	WSW	WSW	WSW	C	C	C	C
	27	N	N	NW	NW	NW	C	C	C	C	C	C
	28	NW	NW	NNW	NNW	NW	NW	C	C	C	C	C
	29	N	NNW	NW	SW	C	SW	SW	C	C	C	C
	30	WSW	WNW	W	W	W	W	W	C	C	C	C
	31	WNW	WNW	NW	WNW	W	WSW	WSW	WSW	WSW	C	C

VELOCITY OF THE WIND IN KILOMETERS PER HOUR.

Mean Batavia Time.		1 A.M.	2	3	4	5	6	7	8	9	10	11	12	—
MARCH.	1	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.6	5.6	6.4	9.7	13.7	—
	2	0.0	0.0	0.0	0.0	0.0	0.8	0.0	1.6	5.6	7.2	11.3	14.5	—
	3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	4.0	5.6	8.9	11.3	—
	4	0.0	0.0	0.0	4.0	2.4	0.0	0.8	0.8	1.6	3.2	4.0	9.7	—
	5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	4.8	4.8	7.2	—
	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	2.4	4.8	4.0	6.4	—
	7	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	2.4	4.0	6.4	7.2	—
	8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	3.2	1.6	2.4	3.2	—
	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	4.0	7.2	10.5	12.1	—
	10	0.8	0.8	0.8	0.0	0.0	0.0	0.0	0.0	2.4	6.4	7.2	8.9	—
	11	2.4	1.6	2.4	1.6	0.0	0.0	0.0	0.0	0.0	1.6	5.6	6.4	—
	12	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	—
	13	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.0	2.4	3.2	4.0	6.4	—
	14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	2.4	1.6	—
	15	0.0	1.6	0.0	0.0	0.0	0.0	0.0	1.6	5.6	6.4	8.9	8.0	—
	16	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.8	0.8	3.2	5.6	4.8	—
	17	0.0	0.0	4.0	8.0	0.8	0.0	1.6	2.4	1.6	2.4	4.0	6.4	—
	18	0.0	0.0	0.0	0.0	0.0	0.0	1.6	4.0	5.6	5.6	6.4	8.0	—
	19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	1.6	2.4	2.4	—
	20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	4.0	4.0	—
	21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	3.2	7.2	8.9	8.0	—
	22	3.2	1.6	1.6	2.4	0.0	0.0	4.0	5.6	8.0	7.2	8.9	12.9	—
	23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	2.4	5.6	5.6	—
	24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	3.2	4.8	6.4	—
	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.6	1.6	1.6	7.2	—
	26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	0.8	0.8	2.4	6.4	—
	27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	3.2	5.6	4.8	—
	28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	—
	29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	4.0	4.8	5.6	—
	30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	2.4	4.8	4.0	—
	31	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	4.0	6.4	5.6	9.7	—
Hourly Means.		0.23	0.18	0.28	0.52	0.13	0.03	0.34	1.01	2.63	3.77	5.34	6.97	—
Mean Batavia Time.		1 P.M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
MARCH.	1	12.1	10.5	9.7	5.6	2.4	0.0	0.0	0.8	0.0	0.8	0.0	0.8	3.35
	2	18.5	10.5	2.4	0.8	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0	3.12
	3	12.1	11.3	9.7	4.0	7.2	2.4	0.0	0.0	0.0	0.0	0.0	0.0	3.22
	4	9.7	9.7	8.0	8.9	5.6	0.8	0.8	0.0	0.0	0.0	0.0	0.0	2.92
	5	8.9	10.5	11.3	8.0	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.51
	6	7.2	14.5	14.5	12.9	9.7	4.0	0.8	0.8	0.8	0.0	0.0	0.0	3.48
	7	12.1	13.7	12.9	6.4	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0	2.85
	8	4.8	4.0	6.4	7.2	5.6	2.4	0.8	0.8	1.6	0.8	0.0	0.0	1.93
	9	7.2	7.2	4.8	8.0	5.6	0.8	0.0	0.0	0.0	0.0	0.0	0.8	2.88
	10	12.1	12.9	10.5	4.8	4.8	1.6	0.0	0.0	1.6	0.0	0.8	2.4	3.28
	11	8.0	8.9	8.0	4.8	2.4	1.6	0.0	0.0	4.8	1.6	0.8	0.8	2.64
	12	4.8	4.0	4.8	3.2	1.6	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.93
	13	5.6	5.6	2.4	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.33
	14	0.8	1.6	0.8	1.6	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.47
	15	8.0	16.1	15.3	14.5	6.4	1.6	0.0	0.0	0.0	0.0	0.8	0.0	3.95
	16	7.2	7.2	5.6	4.8	4.8	1.6	0.0	0.0	0.0	0.0	0.0	0.0	1.97
	17	9.7	8.0	7.2	3.2	1.6	2.4	2.4	0.0	0.0	0.0	0.0	0.0	2.74
	18	9.7	7.2	11.3	9.7	1.6	0.8	0.0	0.0	0.0	0.0	0.0	0.0	2.98
	19	12.1	11.3	8.9	5.6	3.2	4.8	6.4	3.2	0.8	0.0	0.0	0.0	2.75
	20	8.9	8.0	1.6	0.8	0.0	0.0	0.0	2.4	4.0	3.2	0.8	0.8	1.67
	21	8.0	4.8	2.4	3.2	0.8	1.6	3.2	4.0	4.8	4.8	4.8	6.4	3.27
	22	4.8	3.2	1.6	0.0	2.4	0.0	0.8	0.8	2.4	1.6	0.8	0.8	3.11
	23	1.6	0.0	0.0	0.8	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.90
	24	3.2	4.0	3.2	4.8	4.0	1.6	0.8	0.0	0.0	0.0	0.0	0.0	1.63
	25	11.3	11.3	8.9	5.6	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.21
	26	9.7	8.0	4.8	6.4	4.8	1.6	2.4	1.6	0.0	0.0	0.0	0.0	2.11
	27	2.4	3.2	1.6	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.97
	28	1.6	3.2	4.8	2.4	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.60
	29	10.5	9.7	8.0	2.4	0.0	0.8	3.2	0.8	0.0	0.0	0.0	0.0	2.11
	30	4.8	3.2	1.6	0.8	1.6	0.8	0.8	0.8	0.0	0.0	0.0	0.0	1.13
	31	10.5	8.9	8.9	9.7	6.4	1.6	1.6	0.8	0.8	0.8	0.0	0.0	3.25
Hourly Means.		8.00	7.81	6.51	4.92	2.97	1.19	0.77	0.54	0.70	0.44	0.28	0.41	2.33

CLOUDS

CLEAR = 0. OVERCAST = 10.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
MARCH.	1	9	3	4	2	3	3	3	4	6	9	8	7	—
	2	7	8	9	9	7	10	10	10	9	7	10	7	—
	3	3	2	1	1	2	3	2	2	4	5	7	8	—
	4	6	7	8	10	10	10	10	10	8	7	7	9	—
	5	2	1	1	2	2	3	2	1	0	3	0	0	—
	6	3	2	2	3	2	2	2	1	2	2	2	1	—
	7	8	8	6	3	2	7	4	2	3	3	6	5	—
	8	7	6	3	3	2	3	2	3	3	1	2	4	—
	9	10	7	6	6	6	6	8	8	7	6	8	7	—
	10	10	9	7	7	7	8	4	2	1	0	7	8	—
	11	9	10	10	10	9	10	10	10	10	10	10	10	—
	12	8	8	9	7	9	8	9	9	9	9	9	9	—
	13	10	10	9	7	7	9	5	3	2	2	4	6	—
	14	10	8	9	8	6	6	9	10	10	10	10	10	—
	15	10	10	10	7	4	5	4	4	2	6	7	6	—
	16	9	7	7	6	6	7	8	10	9	9	10	10	—
	17	6	8	8	10	10	10	6	8	8	8	8	6	—
	18	3	1	1	0	2	3	4	6	6	7	7	6	—
	19	9	6	6	4	6	7	5	4	4	3	6	6	—
	20	2	1	3	0	0	2	4	2	1	2	2	1	—
	21	3	2	1	2	3	3	4	5	9	6	4	4	—
	22	2	2	3	5	5	6	3	2	6	5	6	10	—
	23	4	3	2	2	3	5	3	2	6	6	7	8	—
	24	6	7	7	7	9	10	9	8	8	4	5	4	—
	25	8	9	10	10	8	6	9	2	1	5	7	9	—
	26	10	10	8	7	7	9	9	9	9	9	7	5	—
	27	6	4	2	2	1	6	10	10	9	7	8	10	—
	28	6	3	2	2	3	8	9	9	9	10	10	10	—
	29	2	1	1	1	0	2	2	2	1	1	3	3	—
	30	8	8	8	7	7	8	9	8	9	8	8	10	—
	31	6	6	4	3	3	4	9	9	4	5	9	10	—
Hourly Means.		6.5	5.7	5.4	4.9	4.9	6.1	6.0	5.6	5.6	5.6	6.6	6.7	—
Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
MARCH.	1	5	9	4	10	10	7	9	10	10	7	7	7	6.5
	2	7	9	10	10	10	10	10	10	9	6	8	6	8.7
	3	5	8	7	8	9	9	9	6	7	8	8	7	5.5
	4	9	8	9	7	10	10	10	4	2	3	1	2	7.4
	5	5	6	4	5	10	10	10	10	9	9	7	6	4.5
	6	1	0	1	0	10	10	9	10	10	9	9	7	4.2
	7	5	6	8	10	8	8	6	7	6	5	6	7	5.8
	8	6	6	7	7	7	6	6	4	5	7	10	8	4.9
	9	6	7	7	6	4	8	4	6	9	8	10	9	7.0
	10	7	8	9	9	8	9	8	7	7	8	9	9	7.0
	11	8	9	10	10	10	10	10	10	10	10	9	9	9.7
	12	9	9	9	8	9	10	8	9	6	7	8	9	8.5
	13	9	9	8	10	10	10	8	9	9	9	10	9	7.7
	14	10	8	9	7	9	9	7	7	8	9	9	8	8.6
	15	8	4	4	3	5	7	4	5	7	7	6	9	6.0
	16	0	9	6	1	2	0	3	4	7	7	5	4	6.1
	17	5	5	3	3	5	8	8	6	8	9	6	5	7.0
	18	9	9	10	10	10	10	10	9	9	9	10	10	6.7
	19	7	7	8	9	9	10	10	10	10	10	8	3	7.0
	20	4	10	10	10	10	9	8	6	6	4	5	5	4.5
	21	10	6	10	10	10	10	10	6	7	2	2	1	5.4
	22	10	10	10	9	9	7	6	7	10	10	6	6	6.5
	23	10	10	10	9	10	9	7	7	6	6	7	9	6.3
	24	8	4	7	9	7	8	9	9	10	10	10	10	7.7
	25	8	8	8	9	9	9	8	9	10	10	10	10	8.0
	26	2	1	10	10	10	6	8	9	9	7	6	8	7.7
	27	10	10	10	10	10	10	8	6	7	8	7	8	7.5
	28	9	9	9	9	7	9	7	6	6	6	6	4	7.0
	29	6	5	6	10	9	9	9	9	8	7	8	8	4.7
	30	9	10	10	8	6	5	9	8	3	5	9	4	7.7
	31	7	7	9	10	10	10	8	7	10	10	10	10	7.5
Hourly Means.		6.9	7.3	7.8	7.9	8.5	8.5	7.9	7.5	7.7	7.5	7.5	7.0	6.73

BAROMETRIC PRESSURE.

BAROMETER AT 0°C = 750 MILLIMETRES + THE NUMBERS IN THE TABLE.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
A P R I L.	1	8.99	8.75	8.71	8.37	8.35	8.91	9.18	9.89	9.81	9.72	9.32	8.79	—
	2	8.51	7.97	7.96	7.97	8.18	8.76	9.28	9.48	9.68	9.78	9.11	8.38	—
	3	8.37	7.89	7.81	7.98	8.01	8.43	8.95	9.18	9.49	9.55	9.04	8.29	—
	4	8.26	8.30	8.30	8.26	8.72	8.95	9.07	9.63	9.72	9.65	9.12	8.55	—
	5	8.89	8.61	8.59	8.71	8.89	9.20	9.80	9.80	10.04	9.90	9.28	8.46	—
	6	9.40	9.19	8.86	8.82	8.84	9.19	9.85	10.14	10.43	10.24	9.78	9.06	—
	7	8.66	8.07	7.97	7.81	7.99	8.47	9.17	9.50	9.63	9.43	8.80	7.98	—
	8	8.45	8.31	7.54	7.35	7.26	7.53	7.96	8.47	8.69	8.60	8.30	7.55	—
	9	8.74	8.00	7.71	7.82	8.00	8.61	9.06	9.73	10.06	9.77	9.34	8.89	—
	10	9.38	8.85	8.81	8.42	8.35	9.15	9.89	10.08	10.80	10.53	10.21	9.59	—
	11	10.56	10.68	9.53	9.12	9.43	9.51	10.19	10.61	11.00	11.30	10.79	9.95	—
	12	10.24	9.60	9.23	9.17	9.20	9.66	10.02	10.18	10.35	10.23	9.85	9.09	—
	13	9.43	8.84	8.42	8.09	8.06	8.46	9.17	9.88	9.99	9.98	9.79	9.13	—
	14	9.11	8.70	8.76	8.44	8.44	8.66	8.77	9.40	9.69	9.57	8.97	8.46	—
	15	8.63	8.39	7.99	7.85	7.85	8.17	8.58	8.92	9.20	9.21	8.41	7.93	—
	16	8.14	7.67	7.86	8.09	8.11	9.12	9.06	9.37	9.79	9.65	9.39	8.85	—
	17	8.47	7.81	7.64	8.26	8.37	8.47	8.85	9.36	9.80	9.79	9.68	9.15	—
	18	9.38	9.11	9.02	9.04	9.15	9.79	9.90	10.30	10.79	10.72	10.05	9.39	—
	19	10.12	9.72	9.34	9.24	9.50	9.86	10.30	10.45	10.55	10.39	9.77	9.06	—
	20	9.48	9.16	8.52	8.30	8.46	8.91	9.66	9.96	10.23	10.23	9.83	9.37	—
	21	8.15	8.07	8.40	8.42	8.58	9.06	9.69	10.27	10.64	10.56	10.23	9.62	—
	22	10.08	9.84	9.54	9.55	9.82	9.98	10.45	11.17	11.29	11.12	10.67	10.11	—
	23	9.28	8.96	8.69	8.69	8.81	9.07	9.44	9.62	9.68	9.53	9.19	8.53	—
	24	8.55	8.10	7.89	7.82	8.05	8.52	9.05	9.12	9.38	9.16	8.83	8.03	—
	25	8.90	8.34	7.88	7.75	7.87	8.05	8.77	8.97	9.33	9.44	9.33	8.60	—
	26	9.60	9.15	8.76	8.69	8.62	8.91	9.21	9.55	9.94	10.05	9.58	9.11	—
	27	9.06	8.21	8.16	8.06	8.11	8.41	8.97	9.53	9.78	9.29	9.01	8.53	—
	28	8.56	7.95	7.61	7.74	8.02	8.35	8.72	8.81	9.18	9.48	8.62	7.86	—
	29	7.75	7.62	7.30	7.02	7.06	7.28	7.96	8.28	8.79	8.54	8.13	7.68	—
	30	7.71	6.99	6.80	6.97	7.35	7.76	7.97	8.00	8.19	8.05	7.94	7.58	—
Hourly Means.		8.96	8.54	8.32	8.26	8.38	8.77	9.23	9.59	9.86	9.78	9.35	8.72	—
Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
A P R I L.	1	8.33	7.64	7.39	6.84	7.25	7.73	8.46	8.96	8.99	9.28	9.25	9.17	8.67
	2	7.58	6.89	6.68	7.22	7.43	7.68	8.39	8.75	9.11	9.07	9.15	8.97	8.42
	3	7.43	6.67	6.13	5.72	6.34	6.94	7.64	8.28	9.13	9.51	9.38	9.14	8.14
	4	7.56	7.03	6.88	6.74	7.38	8.05	8.55	9.08	9.64	9.93	9.87	9.21	8.60
	5	7.72	7.01	6.42	7.29	7.58	8.55	9.11	9.95	10.33	10.70	10.73	9.94	8.98
	6	8.09	7.34	6.54	7.36	7.32	7.95	8.91	9.22	9.64	9.52	9.64	9.30	8.94
	7	7.43	6.74	6.34	7.03	7.60	7.77	7.74	8.45	8.95	9.28	9.29	9.22	8.31
	8	6.79	6.09	5.92	6.45	6.55	7.58	7.82	8.20	8.65	9.01	8.92	8.91	7.79
	9	7.88	7.12	6.94	7.50	7.61	7.81	8.21	9.05	9.88	10.04	10.15	9.80	8.66
	10	9.07	8.39	7.94	8.29	8.48	9.40	10.30	10.77	10.90	10.90	10.90	10.90	9.60
	11	9.29	8.47	7.87	7.90	8.17	8.74	9.42	10.19	10.62	10.74	10.62	10.39	9.77
	12	8.28	7.61	6.99	6.83	7.12	7.72	8.52	8.97	9.77	10.45	10.18	9.90	9.13
	13	8.38	7.54	6.71	6.91	7.33	7.58	8.03	9.03	9.53	9.98	9.70	9.29	8.72
	14	7.58	6.67	6.41	5.91	6.41	6.90	7.88	8.58	9.26	9.27	9.04	8.64	8.31
	15	7.36	6.76	6.22	6.30	6.52	6.79	7.39	8.29	8.57	8.84	8.64	8.32	7.96
	16	8.31	7.53	6.88	6.84	7.09	7.28	7.86	8.10	8.68	8.95	9.12	9.02	8.37
	17	8.44	7.51	7.25	7.10	7.80	8.13	8.95	9.67	9.70	9.83	9.89	9.80	8.74
	18	8.68	8.31	7.61	7.39	7.89	8.69	9.47	10.07	10.47	10.60	10.74	10.49	9.46
	19	8.09	7.63	7.14	7.14	8.18	8.90	9.62	10.34	10.43	10.35	10.33	10.00	9.44
	20	9.03	8.58	8.52	8.63	8.98	8.92	9.19	9.45	9.33	9.13	8.90	8.51	9.14
	21	8.97	8.20	7.84	7.83	8.36	8.70	9.48	9.87	10.17	10.65	10.83	10.34	9.29
	22	9.46	8.61	7.71	7.96	8.33	8.63	9.17	9.53	9.93	10.18	10.17	9.84	9.71
	23	7.81	7.16	6.62	6.67	7.07	7.62	8.23	8.91	9.38	9.63	9.56	9.14	8.64
	24	7.61	6.66	6.06	6.21	6.76	7.19	7.71	8.39	9.00	9.14	9.47	9.19	8.16
	25	8.00	7.72	7.23	7.42	7.54	7.98	8.72	9.24	9.60	9.97	10.12	9.95	8.61
	26	8.96	8.09	7.54	7.29	7.84	8.53	9.06	9.56	10.19	10.25	10.02	9.85	9.10
	27	8.16	7.48	6.87	6.88	6.66	7.76	8.39	8.62	9.08	9.27	9.35	8.89	8.44
	28	7.38	6.41	6.14	5.79	6.26	6.64	6.99	7.53	7.98	8.63	8.58	8.10	7.81
	29	7.33	6.53	6.27	6.34	6.38	6.85	7.05	7.54	8.18	7.96	7.99	7.93	7.49
	30	6.99	6.38	5.97	5.99	6.28	6.43	7.00	7.78	8.38	8.48	8.64	8.45	7.42
Hourly Means.		8.07	7.36	6.90	6.99	7.35	7.85	8.44	9.01	9.45	9.65	9.64	9.35	8.66

STANDARD THERMOMETER.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
A P R I L.	1	74.9	74.8	74.3	74.0	73.6	73.2	73.7	75.5	78.6	81.6	83.0	83.4	—
	2	75.8	75.3	74.6	74.2	73.4	72.6	73.7	76.0	79.9	82.5	84.8	86.0	—
	3	74.7	74.7	74.0	73.8	73.6	73.2	73.6	76.6	79.6	82.9	84.3	85.0	—
	4	77.0	76.3	76.1	75.8	75.6	75.2	75.4	77.2	79.2	81.2	82.8	81.7	—
	5	75.6	75.5	75.2	74.6	74.2	73.8	74.5	76.8	79.8	82.6	85.2	85.6	—
	6	74.8	74.5	74.5	74.2	74.0	73.8	73.9	75.6	78.5	81.8	84.2	84.7	—
	7	75.8	75.3	75.0	74.2	73.9	73.6	74.5	76.6	79.8	82.2	84.0	82.5	—
	8	75.7	75.3	74.9	74.5	74.1	73.3	73.6	76.5	78.9	80.3	83.5	85.4	—
	9	75.6	75.4	75.0	74.7	74.1	73.8	74.0	74.7	77.3	79.7	81.1	82.3	—
	10	74.5	74.0	73.8	74.0	74.1	73.7	74.0	75.4	78.5	81.1	83.0	80.0	—
	11	73.8	73.7	73.5	73.0	73.3	73.5	74.9	75.4	78.6	79.4	80.8	83.1	—
	12	74.5	74.2	74.0	73.5	72.6	72.1	72.5	74.9	78.0	80.7	83.3	85.4	—
	13	76.7	76.0	75.3	74.8	74.2	73.4	73.6	76.0	79.5	82.4	82.3	84.4	—
	14	76.6	75.3	75.0	74.2	73.6	73.0	73.5	76.5	79.0	81.5	84.0	86.1	—
	15	76.1	75.2	74.7	73.7	73.3	72.9	74.2	78.0	82.4	84.4	86.2	87.5	—
	16	75.6	74.8	74.8	74.0	73.7	74.0	73.6	74.0	74.9	76.1	77.3	79.5	—
	17	75.5	74.7	74.9	74.9	75.1	75.0	75.3	75.7	77.3	78.8	80.0	80.2	—
	18	75.8	75.7	75.2	75.2	75.0	75.0	75.2	76.0	77.6	80.6	83.3	84.6	—
	19	76.2	76.0	75.0	74.2	73.9	73.5	74.0	77.5	80.2	82.4	84.7	85.2	—
	20	74.2	73.9	73.5	73.3	73.2	72.8	73.0	74.6	78.2	80.0	81.4	82.6	—
	21	73.3	72.8	72.5	72.0	71.4	71.2	71.7	73.7	78.0	80.8	83.2	81.1	—
	22	77.0	76.2	75.9	75.6	75.5	75.4	76.2	78.5	81.1	84.0	86.2	87.2	—
	23	76.9	76.3	76.0	75.6	75.0	74.4	75.3	78.5	81.8	84.5	86.0	87.0	—
	24	76.1	75.2	74.9	74.3	74.0	73.7	74.2	77.7	81.7	84.0	86.0	87.3	—
	25	78.0	77.2	76.9	76.3	75.6	75.0	75.0	78.0	82.0	84.5	86.0	87.7	—
	26	76.0	75.4	74.7	74.2	74.0	73.3	73.8	76.7	80.2	83.0	85.4	85.2	—
	27	74.5	74.3	74.0	74.0	74.3	74.6	75.3	76.7	80.8	83.7	86.0	86.1	—
	28	77.0	76.4	76.2	75.8	75.3	74.7	75.5	78.5	81.6	83.7	85.5	85.4	—
	29	75.2	74.9	74.4	73.8	73.3	73.1	73.5	75.8	79.7	82.8	84.7	86.0	—
	30	76.2	75.8	75.4	74.9	74.4	74.0	74.4	77.7	81.7	83.8	85.4	86.0	—
Hourly Means.		75.65	75.17	74.81	74.38	74.04	73.69	74.19	76.38	79.48	81.90	83.79	84.67	—
Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
A P R I L.	1	80.5	81.6	82.0	82.8	82.0	80.5	79.4	78.6	77.9	77.1	76.5	76.2	78.15
	2	86.0	86.0	84.7	80.9	77.0	76.6	76.6	76.2	76.2	75.8	75.4	75.0	78.13
	3	85.7	85.0	84.6	81.6	83.7	82.3	81.3	80.2	79.8	79.3	78.4	77.7	79.53
	4	85.0	84.1	83.5	83.1	82.0	81.5	79.5	78.3	77.8	77.2	76.7	76.1	79.22
	5	85.4	85.4	84.3	83.7	81.1	79.0	77.6	77.7	76.0	75.5	75.2	75.0	78.72
	6	84.6	85.4	86.0	79.2	78.3	78.1	77.8	77.1	76.8	76.4	76.4	76.2	78.20
	7	82.7	85.0	83.7	81.5	80.3	79.2	78.0	77.5	76.7	76.3	76.3	75.9	78.35
	8	83.5	84.8	82.8	78.3	77.5	76.5	76.3	76.3	75.7	75.8	75.9	75.6	77.71
	9	82.5	83.5	83.3	79.2	79.0	77.8	77.1	76.0	75.7	75.6	75.5	75.0	77.41
	10	81.2	83.7	83.7	78.0	76.5	76.4	75.6	75.5	74.6	74.3	73.7	73.6	76.79
	11	85.0	86.2	83.7	82.4	79.5	78.7	78.5	78.0	77.4	76.8	76.0	75.2	77.93
	12	85.4	85.5	86.0	84.9	84.2	82.6	81.5	80.0	78.6	78.2	78.2	77.2	79.08
	13	85.7	86.0	86.0	85.2	84.0	82.8	81.9	80.4	79.2	78.4	78.1	77.9	79.76
	14	87.6	88.6	89.3	88.5	86.9	84.5	82.6	80.6	80.0	78.9	78.0	77.0	80.45
	15	88.8	87.1	87.1	87.0	85.7	83.4	82.0	80.6	79.5	78.6	77.5	76.5	80.52
	16	80.3	81.5	82.0	82.1	81.5	80.1	79.4	78.8	78.4	77.1	76.4	76.0	77.33
	17	80.0	80.6	80.6	80.2	80.6	79.6	78.9	77.8	77.1	76.9	76.5	76.0	77.59
	18	85.6	82.5	84.5	85.0	84.8	83.3	81.4	80.0	78.9	78.1	77.6	76.7	79.48
	19	86.3	87.5	86.0	85.5	82.5	76.0	75.3	75.0	75.2	75.0	74.4	74.2	78.57
	20	81.0	81.2	81.4	80.0	75.7	75.0	74.6	74.3	74.3	74.0	73.7	73.5	76.23
	21	85.4	84.4	84.9	84.4	83.6	82.3	80.7	80.0	79.0	78.1	77.7	77.3	78.44
	22	87.6	86.8	86.6	86.7	85.1	83.9	82.3	81.1	80.0	78.4	78.0	78.0	80.97
	23	87.9	88.0	86.2	85.7	84.8	83.5	82.1	81.4	79.9	79.0	78.0	76.8	80.86
	24	87.7	88.6	87.0	86.7	85.0	82.7	81.6	81.2	80.7	80.2	79.2	78.6	80.76
	25	86.2	85.0	83.0	83.0	82.8	81.7	79.6	78.8	78.2	77.3	77.2	76.3	80.05
	26	85.4	83.5	85.4	85.2	83.7	82.9	79.6	77.4	76.0	75.4	75.1	75.0	79.02
	27	82.6	85.4	85.6	84.9	83.6	82.4	81.6	80.4	79.3	78.4	78.1	77.8	79.77
	28	82.8	85.8	84.6	84.8	84.2	82.7	81.4	80.2	78.9	77.4	76.8	76.0	80.05
	29	86.9	85.5	84.7	83.6	83.0	82.1	81.0	79.5	78.7	77.8	77.4	76.7	79.34
	30	86.0	86.0	86.0	85.0	83.8	82.3	81.5	79.8	78.6	77.7	77.5	76.9	80.03
Hourly Means.		84.71	85.01	84.64	83.40	82.08	80.68	79.56	78.62	77.84	77.17	76.71	76.20	78.95

RELATIVE HUMIDITY OF THE AIR.

SATURATION = 1000.

Mean Batavia Time.	1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—	
A P R I L.	1	897	904	913	901	895	903	903	872	839	742	725	699	—
	2	881	889	897	956	973	937	912	865	773	745	703	669	—
	3	939	939	947	947	947	938	929	842	803	712	668	659	—
	4	907	932	932	931	931	948	948	900	832	769	745	696	—
	5	940	923	947	939	939	956	939	875	787	724	665	679	—
	6	956	947	947	956	956	947	938	923	838	736	682	677	—
	7	940	948	948	956	956	965	965	907	856	779	742	809	—
	8	905	922	914	939	930	929	938	866	823	788	686	647	—
	9	915	923	930	930	921	938	938	922	859	780	733	709	—
	10	947	947	947	921	896	930	930	889	807	755	711	871	—
	11	956	947	938	911	903	903	871	898	778	786	768	691	—
	12	913	921	921	929	955	964	961	930	861	768	699	687	—
	13	907	923	931	939	947	947	921	832	848	745	759	676	—
	14	907	922	922	921	929	937	911	882	831	719	642	612	—
	15	857	889	871	887	895	886	878	813	730	656	643	618	—
	16	906	922	922	930	938	870	886	896	905	906	835	757	—
	17	931	947	947	939	948	957	957	940	884	870	856	811	—
	18	948	948	957	957	957	957	957	906	860	812	713	669	—
	19	899	906	914	930	938	947	938	852	774	730	651	628	—
	20	947	956	956	916	955	955	955	922	845	781	770	745	—
	21	920	929	929	936	915	945	928	896	791	725	684	622	—
	22	892	906	915	923	931	940	940	854	769	701	663	642	—
	23	924	940	948	948	939	947	922	854	757	676	643	641	—
	24	899	914	922	930	938	947	939	852	770	714	662	630	—
	25	893	900	907	923	931	914	897	836	757	675	662	618	—
	26	923	922	913	913	896	920	912	819	767	691	679	678	—
	27	922	921	921	921	921	913	931	891	790	706	656	669	—
	28	949	948	948	948	948	947	948	862	807	714	647	672	—
	29	931	930	939	938	946	946	947	906	817	696	663	668	—
	30	924	931	923	930	939	938	921	861	713	687	608	662	—
Hourly Means.	919	927	929	933	935	936	929	880	809	743	699	684	—	
Mean Batavia Time.	1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.	
A P R I L.	1	789	713	750	752	771	804	840	854	868	883	883	874	832
	2	689	649	730	774	858	874	899	906	915	923	940	939	846
	3	673	677	716	716	727	772	805	849	887	894	893	900	824
	4	690	715	713	712	757	813	823	853	884	891	916	931	840
	5	666	659	715	740	783	831	867	876	906	923	930	930	839
	6	730	712	700	847	918	908	925	925	916	932	932	932	870
	7	766	697	659	741	788	793	821	835	874	906	906	915	853
	8	740	731	788	861	900	916	915	915	931	940	932	957	867
	9	722	712	732	823	829	834	865	898	905	914	914	939	858
	10	769	705	699	869	899	932	940	948	947	930	947	956	879
	11	670	662	754	772	809	869	901	925	933	932	906	898	849
	12	672	673	656	606	707	759	806	855	885	893	885	907	826
	13	655	655	655	684	714	745	800	842	870	885	877	885	821
	14	588	557	560	585	627	682	723	774	795	793	821	843	770
	15	535	622	629	603	641	719	764	819	848	847	867	899	767
	16	774	763	758	721	770	811	855	878	877	916	924	923	860
	17	841	789	789	826	826	863	886	917	932	932	940	948	895
	18	654	779	696	671	677	733	736	817	838	861	859	858	826
	19	621	592	655	692	735	872	922	939	939	939	947	917	830
	20	790	783	784	787	841	888	879	888	888	904	912	912	875
	21	609	630	619	636	639	737	804	825	831	846	876	892	800
	22	619	671	664	664	710	755	793	820	849	885	901	901	805
	23	602	602	689	699	724	775	808	843	886	894	876	891	810
	24	588	579	621	627	690	779	828	858	873	895	902	885	802
	25	682	710	788	794	801	821	871	870	877	907	916	924	828
	26	711	803	725	724	748	794	786	836	865	872	889	905	820
	27	787	711	712	690	726	779	806	835	863	885	893	933	824
	28	794	720	716	737	701	766	798	841	870	900	907	923	834
	29	615	687	703	726	753	786	812	878	902	908	917	916	830
	30	681	662	642	681	734	786	799	871	893	925	907	900	813
Hourly Means.	691	687	701	725	760	807	836	866	885	899	904	912	833	

DIRECTION OF THE WIND.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12
APRIL.	1	WSW	WSW	WSW	C	WSW	WSW	WSW	WSW	W	W	WNW	NW
	2	C	C	C	C	C	C	C	WNW	WNW	WSW	WSW	WNW
	3	C	C	C	C	C	C	C	C	SW	SSW	ENE	ENE
	4	C	C	C	C	C	C	C	C	C	NNE	NNE	NNE
	5	C	C	C	C	C	C	C	C	NNW	NNW	NNW	N
	6	C	C	C	C	C	C	C	C	SE	SE	ESE	ESE
	7	C	C	C	C	C	C	C	W	W	W	NW	WNW
	8	C	C	C	C	C	C	C	C	C	W	WSW	WSW
	9	C	C	C	C	C	C	C	C	W	W	NW	NW
	10	C	C	C	C	C	C	C	C	SW	SW	WSW	WSW
	11	C	C	C	C	W	C	C	C	W	W	WNW	NW
	12	C	C	C	C	C	C	C	C	NW	NW	NW	N
	13	N	N	C	C	C	N	N	N	N	N	NNE	ANE
	14	C	C	C	C	C	C	N	N	N	N	NNW	WNW
	15	C	C	C	C	C	C	C	W	WSW	WSW	WSW	W
	16	C	C	C	C	C	NNW	C	C	C	C	NNW	NNW
	17	C	C	C	C	NNE	C	C	C	NNE	NNE	NNE	NNE
	18	C	C	C	C	C	C	C	NNE	NNE	NNE	NNE	N
	19	C	WNW	C	C	C	C	C	C	WNW	WNW	WNW	WNW
	20	C	C	C	C	C	C	C	C	C	SSW	WSW	W
	21	C	C	C	C	C	C	W	W	W	W	NNE	NNE
	22	C	C	NNE	C	C	NNE	C	C	NNE	ESE	E	ENE
	23	C	C	C	C	C	C	NE	E	ESE	E	E	E
	24	C	C	C	C	C	C	C	NE	E	ENE	ENE	ENE
	25	C	C	C	C	C	C	C	NE	ESE	E	E	ENE
	26	C	C	C	C	C	C	C	NE	NE	ENE	ENE	NE
	27	C	C	C	C	C	C	C	C	NE	E	E	E
	28	C	C	C	C	C	C	C	NE	E	E	ENE	ENE
	29	C	C	C	C	C	C	C	C	C	ENE	E	E
	30	C	C	C	C	C	C	C	C	NE	NE	NE	NE
Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12
APRIL.	1	WNW	WNW	WNW	WNW	WNW	C	C	C	C	C	C	C
	2	WNW	WNW	NW	WNW	SW	C	C	C	C	C	C	C
	3	NE	NNE	NNE	NNE	NNE	NNE	C	C	C	C	C	C
	4	NE	NNE	N	N	N	NNW	C	C	C	C	C	C
	5	N	NNE	N	NNW	WNW	WNW	C	WNW	SE	C	C	C
	6	NE	NNE	N	W	C	C	W	C	C	C	C	C
	7	NW	WNW	W	W	W	W	C	C	C	C	C	C
	8	N	N	NNW	WNW	W	C	C	C	C	C	C	C
	9	NW	NW	NW	W	W	SW	C	C	C	C	C	C
	10	WSW	WSW	WNW	WSW	W	W	C	C	C	C	C	C
	11	NW	NW	N	NNW	NW	C	C	C	C	NW	C	C
	12	NNE	NNE	NNE	N	N	N	C	C	C	N	N	N
	13	N	N	N	N	N	N	N	C	C	C	N	N
	14	NW	W	WNW	WNW	W	WNW	WNW	W	W	C	C	C
	15	NW	NNW	NW	NW	NNW	NNW	C	C	C	C	C	C
	16	C	NNW	N	NNE	NNE	NNE	C	C	C	C	C	C
	17	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	C	C	C
	18	NNW	NW	WNW	NW	WNW	WNW	WNW	C	C	C	C	C
	19	NW	NW	N	N	NNW	W	SSW	C	C	C	C	C
	20	NNW	NNW	N	NNW	NW	W	W	W	C	C	C	C
	21	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	C	C	C
	22	NE	NE	NE	NE	NE	NE	C	C	C	C	C	C
	23	ENE	E	ENE	NE	ENE	NE	NE	C	C	C	C	C
	24	ENE	E	ENE	ENE	ENE	NE	NE	NE	C	C	NE	NE
	25	NNE	NNE	NNE	NNE	NNE	C	C	C	C	C	C	C
	26	NE	NNE	NNE	NE	NE	NE	NE	NE	C	C	C	C
	27	NE	NNE	NE	NE	NE	NE	C	C	C	C	C	C
	28	NE	E	E	E	ENE	ENE	ENE	C	C	C	C	C
	29	ENE	NNE	NNE	NE	NE	NE	NE	C	C	C	C	C
	30	NE	NNE	NNE	NE	NNE	NNE	C	C	C	C	C	C

VELOCITY OF THE WIND IN KILOMETERS PER HOUR.

Mean Batavia Time.		1 A.M.	2	3	4	5	6	7	8	9	10	11	12	—
A P R I L.	1	0.8	0.8	1.6	0.0	2.4	1.6	0.8	0.8	4.0	7.2	6.4	6.4	—
	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	2.4	4.0	3.2	3.2	—
	3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	4.0	7.2	7.2	—
	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	7.2	—
	5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	3.2	5.6	12.9	—
	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	0.8	1.6	3.2	—
	7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.6	3.2	4.8	6.4	—
	8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	1.6	—
	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.8	4.0	4.0	4.8	—
	10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	3.2	5.6	3.2	—
	11	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.8	2.4	4.0	4.8	—
	12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	3.2	3.2	7.2	—
	13	0.8	0.8	0.0	0.0	0.0	0.8	1.6	1.6	3.2	4.8	6.4	7.2	—
	14	0.0	0.0	0.0	0.0	0.0	0.0	0.8	3.2	3.2	4.0	6.4	8.0	—
	15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	6.4	6.4	6.4	6.4	—
	16	0.0	0.0	0.0	0.0	0.0	2.4	0.0	0.0	0.0	0.0	0.8	1.6	—
	17	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.8	0.8	1.6	6.4	—
	18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	2.4	2.4	4.0	5.6	—
	19	0.0	0.8	0.0	0.0	0.0	0.0	0.0	0.0	1.6	3.2	1.6	2.4	—
	20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	2.4	3.2	—
	21	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.6	1.6	3.2	4.0	3.2	—
	22	0.0	0.0	0.8	0.0	0.0	0.8	0.0	0.0	3.2	8.9	11.3	9.7	—
	23	0.0	0.0	0.0	0.0	0.0	0.0	1.6	7.2	11.3	12.9	12.1	12.9	—
	24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	6.4	12.1	14.5	16.1	—
	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	4.8	9.7	13.7	12.9	—
	26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.6	7.2	8.9	7.2	—
	27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	5.6	8.9	9.7	—
	28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	5.6	8.0	6.4	9.7	—
	29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	6.4	7.2	—
	30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	3.2	5.6	8.9	—
Hourly Means.		0.05	0.08	0.08	0.00	0.13	0.19	0.19	0.88	2.62	4.47	5.62	6.88	—
Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
A P R I L.	1	8.0	4.8	0.8	0.8	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.03
	2	4.0	5.6	4.8	4.8	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.57
	3	12.9	10.5	8.0	5.6	4.0	0.8	0.0	0.0	0.0	0.0	0.0	0.0	2.54
	4	12.9	12.1	9.7	5.6	1.6	0.8	0.0	0.0	0.0	0.0	0.0	0.0	2.15
	5	9.7	13.7	11.3	8.0	2.4	0.8	0.0	4.0	0.8	0.0	0.0	0.0	3.05
	6	9.7	12.1	9.7	4.8	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.0	1.85
	7	8.9	8.0	8.0	2.4	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0	1.97
	8	9.7	12.9	9.7	2.4	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.61
	9	4.8	6.4	8.0	6.4	3.2	3.2	0.0	0.0	0.0	0.0	0.0	0.0	2.07
	10	2.4	3.2	5.6	2.4	0.8	1.6	0.0	0.0	0.0	0.0	0.0	0.0	1.23
	11	4.0	4.0	7.2	6.4	0.8	0.0	0.0	0.0	0.0	0.8	0.0	0.0	1.50
	12	12.9	12.1	8.9	8.9	5.6	3.2	0.0	0.0	0.0	2.4	2.4	0.8	3.08
	13	8.0	9.7	9.7	8.9	5.6	1.6	0.8	0.0	0.0	0.0	0.8	0.8	3.05
	14	9.7	10.5	8.9	6.4	6.4	3.2	2.4	3.2	0.8	0.0	0.0	0.0	3.21
	15	8.9	11.3	9.7	8.0	5.6	0.8	0.0	0.0	0.0	0.0	0.0	0.0	2.98
	16	0.0	2.4	6.4	7.2	3.2	0.8	0.0	0.0	0.0	0.0	0.0	0.0	1.03
	17	5.6	2.4	8.0	5.6	5.6	2.4	0.8	1.6	0.8	0.0	0.0	0.0	1.80
	18	8.0	9.7	7.2	8.0	4.8	0.8	0.8	0.0	0.0	0.0	0.0	0.0	2.30
	19	4.8	8.0	11.3	8.0	7.2	8.0	3.2	0.0	0.0	0.0	0.0	0.0	2.50
	20	7.2	8.9	5.6	2.4	4.0	2.4	0.8	1.6	0.0	0.0	0.0	0.0	1.64
	21	1.6	3.2	6.4	6.4	6.4	3.2	2.4	3.2	0.8	0.0	0.0	0.0	2.00
	22	10.5	10.5	10.5	9.7	7.2	0.8	0.0	0.0	0.0	0.0	0.0	0.0	3.50
	23	12.9	12.1	12.9	14.5	12.1	4.0	0.8	0.0	0.0	0.0	0.0	0.0	5.30
	24	17.7	19.3	13.7	12.1	10.5	5.6	4.0	1.6	0.0	0.0	0.8	0.8	5.73
	25	12.1	14.5	8.0	3.2	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.49
	26	13.7	11.3	11.3	14.5	9.7	0.8	0.8	0.8	0.0	0.0	0.0	0.0	3.69
	27	12.9	12.1	16.9	13.7	12.9	4.0	0.0	0.0	0.0	0.0	0.0	0.0	4.13
	28	6.4	9.7	9.7	8.9	5.6	0.8	0.8	0.0	0.0	0.0	0.0	0.0	3.05
	29	10.5	11.3	11.3	5.6	6.4	2.4	0.8	0.0	0.0	0.0	0.0	0.0	2.95
	30	12.9	10.5	12.9	16.9	8.0	1.6	0.0	0.0	0.0	0.0	0.0	0.0	3.45
Hourly Means.		8.78	9.43	9.07	7.45	5.03	1.81	0.64	0.53	0.11	0.11	0.13	0.08	2.68

CLOUDS.														
CLEAR = 0. — OVERCAST = 10.														
Mean Batavia Time.	1 A. M.	2	3	4	5	6	7	8	9.	10	11	12	—	
A P R I L.	1	10	10	10	10	5	9	9	8	5	5	8	9	—
	2	7	8	6	8	6	8	4	6	3	6	6	7	—
	3	3	2	1	1	3	3	6	1	0	0	1	8	—
	4	9	8	7	4	5	4	5	4	4	4	3	5	—
	5	0	0	0	0	0	1	2	1	1	2	3	4	—
	6	4	3	6	6	3	7	9	3	1	1	7	7	—
	7	7	6	8	6	5	4	1	3	3	2	6	7	—
	8	9	9	7	6	4	4	2	1	7	2	2	0	—
	9	10	10	10	9	10	10	10	10	9	8	8	9	—
	10	7	4	9	10	4	8	9	9	7	4	5	9	—
	11	5	7	7	6	8	7	7	9	7	6	6	4	—
	12	6	6	7	6	4	2	1	3	2	2	7	6	—
	13	5	6	6	7	4	3	9	5	4	6	7	6	—
	14	4	2	1	1	1	2	2	1	1	1	2	1	—
	15	5	3	2	2	1	3	6	4	2	3	2	4	—
	16	2	2	4	7	7	9	9	10	9	9	9	8	—
	17	7	6	8	10	10	8	7	6	4	3	6	7	—
	18	9	5	7	9	8	8	8	7	9	2	3	6	—
	19	8	5	2	2	3	6	7	7	6	5	3	4	—
	20	4	5	6	10	9	9	9	6	4	7	8	8	—
	21	7	7	5	3	2	7	7	5	3	4	4	5	—
	22	10	8	10	10	8	7	4	1	1	3	6	7	—
	23	2	1	2	2	1	2	0	1	0	0	6	0	—
	24	2	1	1	1	2	3	3	3	2	3	4	5	—
	25	7	6	6	4	3	4	5	5	4	4	5	7	—
	26	6	8	5	3	2	6	4	2	2	3	4	7	—
	27	8	6	6	7	8	10	4	1	0	3	6	7	—
	28	6	4	4	2	3	4	0	1	0	7	6	8	—
	29	2	1	2	3	2	2	4	6	5	4	6	6	—
	30	3	2	4	4	4	5	1	1	1	0	2	3	—
Hourly Means.	5.8	5.0	5.3	5.3	4.5	5.5	5.1	4.3	3.5	3.6	5.0	5.8	—	
Mean Batavia Time.	1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.	
A P R I L.	1	10	9	9	9	8	7	8	8	7	4	4	5	7.8
	2	9	10	10	10	10	10	8	8	4	5	2	2	6.8
	3	7	8	8	9	6	9	8	9	9	10	10	10	5.5
	4	1	0	6	4	8	7	9	9	7	5	5	3	5.3
	5	2	3	5	6	9	9	10	10	10	10	8	6	4.3
	6	2	1	2	10	8	9	9	10	10	10	10	10	6.2
	7	9	8	9	9	10	10	9	10	10	9	7	9	7.0
	8	5	6	8	10	8	10	10	10	9	10	10	10	6.6
	9	9	6	10	10	10	10	9	9	8	6	9	9	9.1
	10	9	6	6	10	10	10	10	10	6	8	7	6	7.6
	11	7	6	8	9	8	8	5	3	4	4	3	3	6.1
	12	6	4	3	2	2	1	4	2	2	2	3	6	3.7
	13	7	9	9	10	8	8	1	2	2	0	1	2	5.3
	14	0	0	0	0	0	2	5	7	7	9	5	5	2.5
	15	3	6	6	4	3	2	4	2	4	2	5	1	3.3
	16	9	9	7	5	6	4	8	9	5	2	4	6	6.6
	17	8	7	7	6	5	3	2	3	3	6	2	7	5.9
	18	8	9	9	7	9	10	9	9	9	9	8	8	7.7
	19	3	1	4	10	10	10	10	10	10	4	4	6	5.8
	20	9	9	9	10	10	10	8	9	8	10	7	8	8.0
	21	6	6	4	2	4	4	7	7	5	4	6	7	5.0
	22	6	4	3	5	4	3	4	1	2	1	4	2	4.8
	23	0	6	8	8	9	9	3	3	2	2	3	2	3.0
	24	0	1	4	1	0	1	9	10	10	6	4	3	3.3
	25	7	9	9	9	10	7	6	8	6	8	10	8	6.5
	26	7	8	4	3	5	7	9	9	8	8	8	8	5.7
	27	9	6	6	7	8	6	4	6	6	7	5	9	6.0
	28	9	6	8	8	9	9	4	2	2	1	3	2	4.5
	29	8	6	10	10	10	6	9	9	6	4	4	2	5.3
	30	3	2	2	3	4	5	6	6	7	9	9	6	3.8
Hourly Means.	5.9	5.7	6.4	6.9	7.0	6.9	6.9	7.0	6.3	5.8	5.7	5.7	5.62	

BAROMETRIC PRESSURE.

BAROMETER AT 0°C = 750 MILLIMETRES + THE NUMBERS IN THE TABLE.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
M A Y.	1	8.08	7.57	7.62	7.55	7.72	7.99	8.67	8.70	8.90	8.98	8.60	7.88	—
	2	7.99	7.69	7.57	7.54	7.65	7.71	8.00	8.64	8.70	8.68	8.47	7.61	—
	3	7.76	7.22	7.24	7.17	7.14	7.30	7.91	8.14	8.45	8.43	7.72	7.19	—
	4	7.80	7.28	6.95	6.94	6.75	7.11	8.00	8.04	8.37	8.09	7.89	7.28	—
	5	8.19	7.50	7.27	7.19	6.95	7.82	8.31	8.51	8.75	8.64	8.43	7.36	—
	6	7.84	7.31	6.99	6.86	7.32	7.44	7.96	8.55	9.10	9.28	8.68	8.09	—
	7	7.39	6.65	6.30	6.15	6.16	6.37	6.87	7.26	7.50	7.83	7.12	6.54	—
	8	6.22	5.84	5.56	5.28	5.51	5.93	6.26	6.68	6.72	6.65	6.38	5.57	—
	9	6.16	5.77	5.45	5.27	5.25	5.47	6.20	6.37	6.94	7.09	6.75	6.30	—
	10	7.21	6.82	6.80	6.52	6.79	7.16	7.93	8.09	8.35	8.66	8.61	8.09	—
	11	8.66	8.21	7.72	7.62	7.80	8.01	8.23	8.52	8.60	8.39	7.74	7.10	—
	12	8.21	7.67	7.10	7.10	7.55	7.76	8.16	8.77	8.99	8.91	8.52	7.93	—
	13	8.25	7.61	7.32	7.09	7.15	7.86	8.28	8.58	8.87	8.76	8.35	7.88	—
	14	7.96	7.76	7.51	7.37	7.32	7.62	8.20	8.52	8.70	8.49	8.01	7.33	—
	15	8.70	8.35	7.87	7.69	7.81	8.01	8.70	9.07	9.17	9.05	8.60	7.92	—
	16	8.82	8.50	8.21	8.11	8.47	8.87	9.55	9.73	9.94	9.60	9.10	8.54	—
	17	9.05	8.56	8.17	8.19	8.36	8.52	9.16	9.59	9.60	9.49	9.16	8.66	—
	18	9.37	9.01	8.76	8.79	8.90	9.31	9.75	9.77	10.28	10.05	9.48	8.77	—
	19	10.30	9.82	9.58	9.62	9.29	9.75	10.38	10.90	11.04	10.73	10.37	9.65	—
	20	9.69	9.33	9.27	9.20	9.59	9.82	10.14	10.43	10.63	10.44	10.01	9.43	—
	21	9.87	9.43	9.17	9.20	9.45	9.81	10.05	10.34	10.47	10.14	9.58	8.84	—
	22	8.75	8.06	8.00	8.04	8.37	8.77	9.28	9.59	9.74	9.51	8.74	8.16	—
	23	8.75	8.51	8.42	8.29	8.46	8.79	9.55	10.30	10.43	10.23	9.63	8.85	—
	24	8.64	7.90	7.70	7.81	7.97	8.19	8.96	9.35	9.75	9.69	9.39	8.62	—
	25	9.04	8.90	8.87	8.75	8.87	9.24	9.65	10.19	10.48	10.70	10.57	9.87	—
	26	10.36	9.94	9.75	9.43	9.94	10.06	10.42	10.90	11.15	10.95	10.69	10.29	—
	27	10.44	10.34	9.94	9.81	9.94	10.45	10.71	11.34	11.34	11.14	11.09	10.47	—
	28	10.52	9.84	9.38	9.61	9.78	9.91	10.08	10.48	10.86	10.73	10.29	9.78	—
	29	9.29	8.77	8.34	8.22	8.21	8.53	9.33	9.54	9.75	9.82	9.47	8.71	—
	30	9.04	8.80	8.37	8.60	8.87	9.13	9.53	9.88	10.18	10.37	9.72	9.13	—
	31	9.41	8.91	8.67	8.57	8.82	9.21	9.79	9.88	9.99	10.02	9.47	9.08	—
Hourly Means.		8.64	8.19	7.93	7.86	8.01	8.32	8.84	9.18	9.41	9.34	8.92	8.29	—
Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
M A Y.	1	7.39	6.59	6.23	6.04	6.47	6.96	7.76	8.43	8.62	9.02	8.90	8.63	7.89
	2	7.14	7.46	6.65	6.63	6.68	7.05	7.33	7.99	8.50	8.76	8.88	8.50	7.83
	3	6.67	5.96	5.41	5.67	5.74	6.19	7.02	7.87	8.30	8.68	8.60	8.44	7.34
	4	6.38	5.69	5.23	5.49	5.91	6.47	7.24	7.95	8.57	8.59	8.67	8.71	7.31
	5	6.61	6.36	6.08	6.37	6.78	6.95	7.69	8.61	9.20	8.99	8.78	8.52	7.74
	6	7.34	6.68	6.49	6.62	6.67	7.05	7.40	8.04	8.41	8.45	8.37	7.89	7.70
	7	5.97	5.06	4.81	4.94	5.34	6.05	6.05	6.58	7.06	7.09	7.11	6.97	6.47
	8	4.84	3.89	3.39	3.56	3.84	4.14	4.54	5.43	6.08	6.53	6.70	6.74	5.51
	9	5.82	5.50	5.52	5.63	5.76	5.99	6.50	7.38	7.59	8.11	7.82	7.69	6.35
	10	7.42	6.75	6.57	7.12	7.29	7.57	8.34	8.75	8.95	9.21	9.37	9.25	7.82
	11	6.49	6.16	5.83	5.93	6.26	6.76	7.13	7.93	8.64	8.86	8.79	8.75	7.67
	12	7.43	7.01	6.30	5.97	6.23	6.74	7.66	8.19	8.70	8.69	8.82	8.76	7.80
	13	7.04	6.32	5.77	5.97	6.38	7.08	7.56	7.71	8.02	8.46	8.29	8.26	7.62
	14	6.82	6.37	6.16	6.34	6.63	7.05	7.69	8.53	9.03	9.06	9.00	8.82	7.76
	15	7.19	6.87	6.59	6.72	7.26	8.09	8.71	9.17	9.64	9.88	9.62	9.26	8.33
	16	7.62	7.31	6.93	7.06	7.34	7.79	8.53	9.23	9.74	10.07	9.73	9.38	8.68
	17	8.18	7.73	7.64	7.81	8.14	8.43	9.09	9.58	10.16	10.36	10.09	9.67	8.89
	18	8.13	7.58	7.28	7.55	7.94	8.64	9.27	9.74	10.53	11.03	10.81	10.58	9.22
	19	8.82	8.26	7.68	7.56	7.88	8.09	8.73	9.43	10.11	10.39	10.33	9.86	9.52
	20	8.69	8.13	7.82	7.64	8.38	9.19	9.62	9.79	10.31	10.55	10.59	10.25	9.54
	21	8.16	7.27	6.97	6.62	7.19	7.53	8.12	8.77	9.07	9.29	9.13	8.90	8.89
	22	7.69	6.76	6.43	6.81	7.31	7.97	8.55	9.00	9.13	9.57	9.39	9.19	8.45
	23	7.92	7.18	6.92	7.20	7.39	7.87	8.14	8.66	9.00	9.09	9.11	9.00	8.65
	24	7.77	6.97	6.93	7.14	7.68	7.93	8.37	9.46	9.89	9.62	9.40	9.34	8.54
	25	9.23	8.59	8.02	8.32	8.84	9.24	10.17	10.69	10.79	10.82	10.89	10.65	9.64
	26	9.62	8.97	8.49	8.51	8.62	9.33	10.13	10.73	11.02	10.95	11.23	11.00	10.10
	27	10.12	9.63	9.29	8.84	8.98	9.55	9.93	10.37	11.04	11.18	10.94	10.75	10.32
	28	9.09	8.54	8.18	7.93	8.21	8.71	9.31	9.81	10.29	10.29	10.03	9.45	9.63
	29	8.19	7.78	7.28	7.19	7.42	7.88	8.55	9.36	9.81	10.17	9.93	9.62	8.80
	30	8.59	8.23	7.76	8.21	8.93	9.03	8.89	9.26	9.78	9.84	9.65	9.46	9.14
	31	8.25	7.58	7.41	7.47	8.11	8.62	9.02	9.09	9.14	9.25	9.09	9.01	8.91
Hourly Means.		7.63	7.07	6.71	6.80	7.15	7.61	8.18	8.76	9.20	9.38	9.29	9.07	8.32

STANDARD THERMOMETER.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
M A Y.	1	76.5	75.7	75.0	74.6	74.5	73.9	74.9	77.4	80.0	82.2	84.1	85.3	—
	2	76.6	76.0	75.4	75.2	75.0	74.5	75.2	76.6	80.1	82.6	84.1	87.0	—
	3	75.7	75.4	75.2	75.0	74.7	74.3	74.6	76.6	80.0	82.6	85.1	86.2	—
	4	77.2	76.8	76.6	76.3	75.8	75.5	76.0	77.2	79.7	82.4	84.4	86.3	—
	5	75.6	75.3	75.1	75.0	75.0	74.7	75.0	76.3	79.9	82.9	84.0	85.4	—
	6	76.2	75.8	75.5	75.5	75.0	74.5	74.6	76.0	78.3	81.0	81.2	81.6	—
	7	75.8	75.4	75.2	75.0	74.5	74.4	75.0	77.2	80.8	83.3	85.0	82.5	—
	8	75.1	75.0	74.4	74.0	73.8	73.5	73.6	76.0	79.6	82.2	84.0	84.6	—
	9	75.6	75.3	75.3	74.8	74.4	74.0	74.0	76.7	79.7	81.7	82.9	83.9	—
	10	76.0	75.5	75.2	74.8	74.4	74.0	74.6	77.3	79.2	82.0	82.9	83.3	—
	11	75.7	75.5	75.2	74.8	74.5	74.2	74.4	76.2	79.6	81.6	83.8	85.3	—
	12	77.4	77.2	76.6	76.4	75.8	75.8	76.1	77.1	79.1	81.8	83.6	84.5	—
	13	75.2	74.7	74.7	74.9	74.9	74.7	74.9	75.5	77.2	79.0	80.6	82.5	—
	14	74.6	74.8	74.8	74.8	74.8	74.6	75.0	77.1	79.2	81.5	81.2	83.5	—
	15	76.6	76.4	76.1	75.8	75.5	75.1	75.3	76.6	78.7	80.5	82.8	84.5	—
	16	75.8	75.3	75.0	74.8	74.6	74.4	74.7	77.0	79.4	80.8	82.7	83.5	—
	17	75.7	75.4	75.0	74.4	74.2	74.0	74.6	75.5	80.0	82.7	84.8	86.0	—
	18	77.1	76.6	76.0	75.7	75.2	75.0	75.5	78.6	81.6	83.9	85.6	86.6	—
	19	78.2	77.5	77.0	76.4	75.9	76.1	76.4	79.1	82.0	83.8	85.9	87.7	—
	20	77.3	76.7	76.3	75.6	75.4	75.0	75.6	78.8	81.5	83.6	84.9	85.8	—
	21	75.5	75.1	74.5	74.0	73.5	73.2	73.4	76.0	79.8	82.3	84.6	86.2	—
	22	75.6	75.5	75.0	74.7	74.2	73.2	73.4	76.0	79.2	82.0	84.4	85.8	—
	23	76.0	75.6	75.8	75.4	74.9	74.3	74.5	76.2	79.0	81.6	82.9	84.6	—
	24	74.8	74.8	74.5	73.7	73.5	73.2	73.6	77.0	80.2	81.9	83.4	84.8	—
	25	76.0	75.3	74.9	74.2	74.0	73.8	74.3	77.4	80.3	82.2	82.6	84.0	—
	26	72.6	72.6	72.3	72.0	71.7	71.5	72.2	74.2	79.0	82.2	84.0	86.0	—
	27	75.3	75.0	74.3	74.1	74.0	73.6	74.5	76.8	80.6	82.3	82.3	83.0	—
	28	75.8	75.0	75.0	74.6	73.8	73.2	73.5	75.0	77.6	82.5	84.2	85.8	—
	29	76.0	75.3	74.8	74.3	73.8	73.4	73.8	76.2	80.4	82.7	83.5	85.6	—
	30	74.4	74.2	74.0	73.6	73.4	73.0	73.4	74.8	78.6	82.4	82.9	83.6	—
	31	73.5	73.2	73.2	73.3	73.6	73.7	73.7	74.9	77.7	79.4	83.1	84.5	—
Hourly Means.		75.79	75.42	75.09	74.76	74.46	74.14	74.53	76.56	79.61	82.05	83.60	81.84	—
Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
M A Y.	1	86.5	86.0	85.8	85.5	84.5	83.4	82.0	81.2	80.3	79.3	78.5	77.2	80.18
	2	86.6	77.0	78.4	80.6	80.8	79.8	78.3	78.1	77.6	77.0	76.4	76.2	78.55
	3	86.9	85.7	85.4	84.6	84.0	82.7	81.9	80.8	80.0	79.1	78.4	77.6	80.10
	4	85.2	86.0	85.4	84.4	83.0	82.0	81.7	81.3	80.5	79.3	78.2	75.8	80.29
	5	86.4	84.0	80.0	82.1	81.5	80.7	79.6	79.0	78.5	78.0	77.5	77.0	79.10
	6	83.5	81.7	83.8	78.3	80.5	80.1	78.7	77.8	77.2	76.6	76.4	76.2	78.29
	7	79.0	80.5	80.8	82.0	81.4	79.4	78.5	78.0	77.6	77.0	76.4	75.6	78.35
	8	86.0	86.7	85.6	85.0	83.5	82.3	81.0	79.3	78.4	77.5	77.0	76.4	79.35
	9	83.6	83.6	80.7	80.7	80.0	79.5	78.6	78.2	77.8	77.3	76.7	76.3	78.39
	10	82.9	82.5	82.5	82.9	82.4	80.0	77.1	77.0	76.3	76.1	76.1	76.0	78.38
	11	86.0	85.7	85.4	85.0	84.2	82.5	81.0	79.6	78.7	78.4	78.2	78.1	79.73
	12	83.8	81.0	79.4	81.5	81.0	80.5	79.5	79.0	78.0	76.6	76.0	75.8	78.90
	13	83.1	82.7	82.5	82.3	81.8	78.4	77.3	76.4	75.2	74.8	74.3	74.4	77.58
	14	85.0	85.0	84.7	84.5	83.2	82.0	81.0	79.6	78.4	77.5	77.0	76.7	79.19
	15	85.8	85.1	85.1	83.8	81.7	79.7	79.0	78.2	77.5	77.5	77.0	76.2	79.19
	16	84.9	84.4	84.2	83.7	83.0	82.0	81.6	80.8	79.8	78.2	76.8	76.3	79.32
	17	86.0	85.3	84.4	83.4	83.2	82.0	80.8	79.9	79.3	79.1	78.3	77.5	79.65
	18	88.0	87.4	86.3	85.6	84.5	83.1	82.3	81.1	80.0	79.4	79.3	78.7	80.96
	19	86.4	85.6	85.2	85.2	84.5	83.5	82.5	81.6	80.5	79.5	78.8	78.3	81.15
	20	85.8	85.4	84.9	84.7	83.8	82.2	79.6	78.9	78.3	76.5	76.0	75.8	79.93
	21	86.2	86.6	81.7	84.8	84.8	83.1	81.5	80.1	78.7	77.6	77.1	76.2	79.56
	22	85.7	86.3	84.8	84.1	82.6	78.4	78.0	77.8	76.9	77.1	76.5	76.4	78.90
	23	85.7	85.2	80.2	80.8	80.5	80.0	79.7	78.6	77.5	77.0	76.1	75.2	78.64
	24	85.6	86.2	84.7	83.6	83.6	80.7	79.5	78.7	77.9	77.6	77.2	76.5	79.05
	25	84.0	85.0	85.0	84.1	82.8	81.8	79.5	74.2	74.6	74.4	74.4	72.6	78.39
	26	86.0	85.7	85.0	84.4	83.6	82.6	80.9	79.7	78.0	77.0	76.2	75.9	78.55
	27	83.2	79.0	79.3	80.5	80.9	80.0	78.8	78.0	77.3	76.7	76.7	76.4	78.03
	28	87.0	86.5	83.8	84.7	84.0	82.7	80.6	79.0	78.3	77.5	77.0	76.3	79.31
	29	85.5	85.6	84.9	84.2	83.6	82.6	81.1	79.5	77.0	76.0	75.5	75.1	79.18
	30	84.4	84.2	84.4	84.0	77.0	75.6	74.5	74.6	74.2	73.8	73.6	73.6	77.18
	31	86.8	86.4	82.4	83.8	83.0	82.2	80.8	80.0	79.0	78.3	78.0	77.0	78.81
Hourly Means.		85.21	84.55	83.54	83.38	82.55	81.15	79.90	78.90	78.04	77.35	76.83	76.24	79.10

RELATIVE HUMIDITY OF THE AIR.

SATURATION = 1000.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
M A Y.	1	899	906	905	922	922	938	930	884	856	751	728	691	—
	2	932	940	957	957	948	939	905	883	825	766	736	622	—
	3	957	957	966	957	965	965	956	907	818	738	672	670	—
	4	932	932	940	932	948	948	940	916	871	786	716	656	—
	5	931	939	947	939	947	947	947	932	871	774	755	718	—
	6	940	948	957	948	956	956	956	940	862	820	828	806	—
	7	940	948	948	939	947	956	939	892	812	789	744	809	—
	8	957	956	956	956	947	956	947	915	833	773	750	758	—
	9	948	948	939	947	939	947	947	907	863	822	746	755	—
	10	931	940	939	947	939	938	939	900	870	771	745	684	—
	11	948	957	957	956	965	956	956	940	810	742	714	666	—
	12	917	925	932	932	940	932	924	916	878	771	755	717	—
	13	922	922	939	947	947	947	922	905	835	839	760	737	—
	14	939	939	939	939	939	983	939	883	863	806	820	713	—
	15	900	907	906	906	915	922	923	891	823	804	738	729	—
	16	931	931	939	947	947	947	947	907	824	783	780	768	—
	17	906	915	922	939	930	930	930	923	864	794	725	689	—
	18	884	883	899	906	931	930	923	847	807	735	699	685	—
	19	918	925	932	932	931	915	916	878	829	769	706	612	—
	20	917	924	924	940	940	947	940	885	814	754	690	699	—
	21	905	914	922	930	929	937	929	890	781	716	658	619	—
	22	873	872	880	897	904	920	921	849	779	694	657	649	—
	23	940	948	948	957	956	956	947	906	847	785	753	717	—
	24	939	939	939	956	947	946	956	900	811	742	699	658	—
	25	923	931	939	939	930	938	930	860	797	722	724	722	—
	26	919	929	928	928	936	927	910	879	808	737	715	707	—
	27	931	914	930	930	930	947	930	883	789	737	751	732	—
	28	923	939	930	939	938	946	947	922	852	759	694	648	—
	29	915	923	930	930	930	929	930	890	801	745	740	680	—
	30	921	921	930	929	938	937	929	922	854	715	690	713	—
	31	929	946	946	965	947	956	956	939	868	848	697	709	—
Hourly Means.		925	930	934	938	940	943	936	900	833	767	729	701	—
Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
M A Y.	1	702	707	713	692	722	761	800	828	864	886	893	925	826
	2	657	891	908	873	805	871	908	908	933	941	948	948	875
	3	704	734	739	737	762	809	844	896	903	926	933	941	852
	4	710	693	718	756	794	815	844	866	904	926	926	931	850
	5	702	769	833	845	828	857	902	926	918	908	908	924	874
	6	768	702	748	901	888	910	885	917	932	924	924	932	890
	7	885	872	873	859	836	886	918	925	933	949	948	948	896
	8	694	677	699	758	790	815	850	902	918	925	924	932	858
	9	740	734	768	782	803	823	877	908	917	907	932	932	868
	10	738	737	765	766	786	818	925	924	924	940	940	940	861
	11	649	719	685	710	742	773	805	871	902	893	901	893	838
	12	735	775	847	813	843	872	910	926	908	974	966	931	877
	13	781	780	787	787	815	846	867	890	914	913	939	939	870
	14	671	671	696	702	712	750	805	863	885	901	916	916	841
	15	687	659	752	769	799	848	823	861	884	892	900	924	840
	16	724	750	742	741	760	807	844	865	879	821	875	890	848
	17	701	725	742	810	774	807	850	895	909	909	892	892	850
	18	650	699	715	733	763	810	838	881	910	918	902	909	827
	19	663	693	705	711	737	782	838	866	895	927	918	901	829
	20	680	678	717	730	706	779	786	823	846	865	873	864	822
	21	676	684	744	717	751	753	756	774	793	836	843	857	805
	22	648	638	696	693	722	908	917	925	949	949	948	940	826
	23	642	718	803	835	849	840	809	800	836	875	890	914	853
	24	661	663	702	748	748	790	816	831	868	884	883	899	830
	25	688	671	684	715	766	763	764	887	888	888	888	910	828
	26	668	699	690	729	755	794	827	833	861	892	915	915	829
	27	781	847	878	872	857	887	902	925	925	932	932	932	878
	28	622	670	847	757	721	780	857	894	893	892	883	916	840
	29	672	687	703	708	699	731	820	832	866	899	914	914	825
	30	668	655	736	749	900	898	930	930	921	921	921	921	856
	31	615	644	751	769	795	823	857	871	878	885	901	916	850
Hourly Means.		696	717	754	767	782	820	851	879	895	906	913	918	849

VELOCITY OF THE WIND IN KILOMETERS PER HOUR.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
M A Y.	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	4.8	5.6	—
	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	5.6	8.9	10.5	—
	3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	6.4	12.9	12.9	—
	4	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.0	2.4	6.4	9.7	12.9	—
	5	4.0	4.8	4.8	2.4	0.0	1.6	2.4	1.6	4.0	12.9	10.5	10.5	—
	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	5.6	4.8	8.0	—
	7	0.8	1.6	0.0	0.0	0.0	0.0	0.8	7.2	12.9	13.7	12.1	6.4	—
	8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	4.0	9.7	7.2	11.3	—
	9	0.0	0.0	0.0	0.0	0.0	0.0	1.6	0.0	1.6	3.2	3.2	6.4	—
	10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	2.4	1.6	2.4	3.2	—
	11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	4.0	7.2	5.6	9.7	—
	12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	4.0	4.8	8.0	—
	13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	1.6	0.8	5.6	—
	14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.6	5.6	8.0	11.3	—
	15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	2.4	4.8	4.8	4.8	—
	16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	3.2	3.2	2.4	3.2	—
	17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	3.2	4.8	3.2	8.0	—
	18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	8.0	8.0	8.9	8.0	—
	19	0.0	0.8	0.8	0.0	2.4	0.0	0.0	4.0	9.7	11.3	9.7	13.7	—
	20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	2.4	3.2	5.6	8.0	—
	21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	4.0	5.6	—
	22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	2.4	4.0	3.2	1.6	—
	23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.6	1.6	3.2	—
	24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	0.0	0.8	0.8	—
	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	2.4	1.6	1.6	2.4	—
	26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	3.2	4.0	7.2	—
	27	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.0	1.6	6.4	7.2	8.9	—
	28	0.0	0.8	0.0	0.0	0.0	0.0	0.0	0.0	2.4	7.2	6.4	7.2	—
	29	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.8	2.4	5.6	4.0	6.4	—
	30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	2.4	4.0	6.4	—
	31	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	3.2	5.6	11.3	13.7	—
Hourly Means.		0.18	0.26	0.18	0.08	0.08	0.05	0.21	1.01	2.85	5.17	5.75	7.46	—
Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
M A Y.	1	14.5	12.9	10.5	7.2	6.4	3.2	1.6	1.6	0.0	0.0	0.0	0.0	2.95
	2	9.7	4.8	6.4	12.1	6.4	0.8	0.8	0.8	0.0	0.0	0.0	0.0	2.85
	3	14.5	16.9	16.1	15.3	9.7	4.8	0.0	0.0	0.0	0.0	0.0	0.0	4.60
	4	12.1	14.5	15.3	13.7	9.7	4.0	1.6	0.0	0.0	0.0	5.6	2.4	4.63
	5	15.3	8.9	9.7	8.0	5.6	0.8	0.0	0.0	0.0	1.6	1.6	0.0	4.63
	6	10.5	16.1	12.1	4.8	2.4	1.6	0.0	0.0	0.0	0.0	0.8	0.0	2.88
	7	1.6	8.0	8.9	4.0	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0	3.38
	8	15.3	14.5	8.9	12.1	7.2	2.4	0.0	0.0	0.0	0.0	0.0	0.0	3.89
	9	9.7	11.3	14.5	9.7	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.68
	10	3.2	2.4	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.73
	11	8.0	9.7	8.0	7.2	5.6	0.8	0.0	0.0	0.0	0.0	0.0	0.0	2.78
	12	10.5	6.4	3.2	5.6	0.8	0.0	0.8	0.0	0.0	0.0	0.0	0.0	1.87
	13	12.9	12.1	11.3	8.0	4.8	5.6	4.8	1.6	0.0	0.0	0.0	0.0	2.98
	14	12.1	8.0	12.1	13.7	8.9	2.4	0.8	0.0	0.0	0.0	0.8	0.0	3.59
	15	8.0	8.9	4.8	4.8	5.6	2.4	0.8	0.0	0.0	0.8	0.0	1.6	2.34
	16	4.8	8.9	8.9	8.9	8.9	2.4	0.8	1.6	4.8	4.8	0.8	0.0	2.88
	17	12.9	14.5	11.3	10.5	9.7	3.2	0.0	0.0	0.8	0.8	0.8	0.0	3.52
	18	8.0	14.5	11.3	11.3	9.7	4.8	1.6	0.8	0.0	0.0	0.0	0.0	4.09
	19	13.7	10.5	9.7	10.5	7.2	3.2	0.0	0.0	0.0	0.0	0.0	0.0	4.47
	20	12.1	8.0	8.0	6.4	0.8	3.2	0.8	0.0	1.6	0.0	0.0	0.0	2.60
	21	7.2	11.3	7.2	4.0	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.74
	22	5.6	8.9	8.9	8.9	4.0	2.4	0.0	0.0	0.0	0.8	0.8	0.0	2.18
	23	6.4	6.4	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.97
	24	4.8	8.0	4.8	4.0	5.6	2.4	0.0	0.0	0.0	0.0	0.0	0.0	1.37
	25	4.0	5.6	8.0	5.6	3.2	1.6	7.2	6.4	0.8	0.0	0.0	0.0	2.17
	26	7.2	14.5	12.9	12.9	10.5	1.6	0.8	0.8	0.0	0.0	0.8	0.0	3.22
	27	10.5	6.4	0.8	5.6	5.6	0.8	0.0	0.0	0.0	0.0	0.0	0.8	2.31
	28	7.2	7.2	3.2	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.90
	29	8.9	8.0	9.7	9.7	5.6	2.4	0.0	3.2	3.2	5.6	1.6	0.8	3.28
	30	8.9	9.7	9.7	8.9	1.6	2.4	0.8	0.8	0.0	0.0	0.0	0.0	2.35
	31	14.5	15.3	10.5	11.3	5.6	3.2	2.4	3.2	2.4	2.4	0.8	1.6	4.53
Hourly Means.		9.50	10.10	8.73	7.95	5.11	2.06	0.80	0.70	0.44	0.54	0.46	0.26	2.91

CLOUDS.

CLEAR = 0. — OVERCAST. = 10.

Mean Batavia Time.		1 A.M.	2	3	4	5	6	7	8	9	10	11	12	—
M A Y.	1	4	4	2	2	3	4	7	4	6	7	7	7	—
	2	6	8	6	6	7	6	4	2	4	4	6	7	—
	3	5	5	4	6	6	5	1	0	0	1	0	0	—
	4	4	3	2	3	3	4	7	7	6	5	7	7	—
	5	10	10	10	8	5	8	8	7	3	4	8	5	—
	6	6	8	10	10	7	4	8	8	9	9	10	9	—
	7	9	10	8	10	10	6	1	3	6	7	8	10	—
	8	5	3	3	2	5	7	0	0	4	2	9	2	—
	9	1	3	3	2	1	2	2	4	6	9	9	9	—
	10	9	7	4	3	3	4	8	6	4	4	7	9	—
	11	10	10	6	8	8	6	4	3	2	2	2	3	—
	12	6	7	6	6	6	7	4	2	2	1	3	6	—
	13	9	9	10	10	10	10	10	10	10	6	6	6	—
	14	9	10	10	9	9	10	8	9	7	8	8	3	—
	15	8	8	6	4	7	8	9	9	9	9	8	6	—
	16	6	4	7	7	8	6	6	8	6	9	8	9	—
	17	9	8	6	6	7	6	4	3	3	6	6	7	—
	18	5	4	6	8	8	6	2	0	1	2	1	0	—
	19	4	1	1	1	0	1	1	1	3	5	5	7	—
	20	2	1	1	2	4	6	5	3	3	7	8	5	—
	21	5	3	2	4	2	6	4	2	2	1	3	4	—
	22	6	7	8	7	6	6	1	3	3	5	6	7	—
	23	10	10	9	3	4	3	2	6	1	0	8	1	—
	24	1	1	1	1	2	3	2	1	1	1	3	5	—
	25	8	6	3	2	2	3	3	3	4	5	9	8	—
	26	3	2	2	6	4	2	4	2	1	1	5	4	—
	27	7	6	6	6	8	7	6	4	4	2	6	6	—
	28	4	2	2	3	4	3	2	1	1	2	3	5	—
	29	1	0	1	0	0	1	1	0	1	2	3	5	—
	30	1	0	0	0	1	2	2	2	3	6	7	6	—
	31	4	3	7	7	10	10	10	10	8	9	8	6	—
Hourly Means.		5.7	5.3	4.9	4.9	5.2	5.3	4.5	3.9	3.8	4.6	6.0	5.6	—

Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
M A Y.	1	4	5	5	5	2	2	1	1	2	4	2	2	3.8
	2	8	10	9	9	9	8	7	6	8	8	7	7	6.8
	3	6	6	7	9	6	9	4	2	3	3	2	2	3.8
	4	10	2	1	0	4	6	7	9	9	9	10	10	5.6
	5	7	10	10	6	7	6	9	10	10	10	10	7	7.8
	6	6	7	7	10	8	8	7	5	6	8	8	10	7.8
	7	9	9	8	7	8	9	8	6	6	2	3	3	6.9
	8	6	8	4	1	7	9	6	7	7	6	4	4	4.6
	9	10	10	10	10	10	10	10	8	8	6	4	9	6.5
	10	9	10	10	8	10	10	10	10	7	6	7	10	7.3
	11	2	1	1	1	2	1	1	0	7	5	9	10	4.3
	12	8	10	9	7	6	8	5	3	9	8	7	9	6.0
	13	7	7	8	6	8	8	7	4	2	3	8	9	7.5
	14	3	10	3	2	1	4	3	2	4	4	6	6	6.2
	15	7	5	9	8	10	10	10	9	6	8	6	9	7.9
	16	9	9	8	6	3	6	6	8	10	10	10	10	7.5
	17	8	9	7	7	4	5	2	3	4	2	7	4	5.5
	18	2	7	3	6	8	9	4	3	3	7	8	4	4.5
	19	10	10	10	4	9	10	9	7	3	3	2	2	4.5
	20	4	2	4	6	8	8	6	7	6	10	6	7	5.0
	21	4	3	9	9	9	8	6	4	3	3	3	2	4.2
	22	8	7	9	9	10	10	10	10	10	10	10	10	7.4
	23	7	7	9	9	10	10	10	9	9	4	3	3	6.1
	24	0	1	6	6	1	10	7	9	9	10	10	10	4.2
	25	5	2	2	4	4	5	10	10	10	10	9	6	5.5
	26	4	3	2	2	2	4	6	4	3	2	3	5	3.2
	27	10	10	9	8	6	4	2	1	3	5	9	3	5.8
	28	6	6	8	7	8	9	2	2	2	3	2	0	3.6
	29	4	2	4	2	0	1	4	9	3	2	2	3	2.1
	30	7	7	9	10	10	10	10	10	6	6	8	6	5.4
	31	5	6	9	7	4	5	3	2	5	8	4	2	6.3
Hourly Means.		6.3	6.5	6.7	6.2	6.3	7.2	6.2	5.8	5.9	6.0	6.1	5.9	5.62

BAROMETRIC PRESSURE.

BAROMETER AT 0°C = 750 MILLIMETRES + THE NUMBERS IN THE TABLE.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
J U N E.	1	8.71	8.47	8.16	8.06	8.46	8.82	9.49	10.19	10.30	9.68	9.13	8.43	—
	2	9.27	9.09	8.87	8.91	9.08	9.21	9.98	10.61	10.54	10.43	10.22	9.48	—
	3	9.42	8.92	8.65	8.53	8.80	8.95	9.22	9.78	9.91	9.99	9.78	9.48	—
	4	9.55	9.13	8.73	8.88	9.11	9.51	9.91	10.30	10.48	10.34	9.88	9.24	—
	5	9.40	8.94	8.47	8.35	8.57	9.17	9.64	9.95	10.41	10.14	9.74	9.24	—
	6	8.85	8.40	8.36	8.37	8.87	9.47	9.78	10.23	10.18	9.80	9.48	8.64	—
	7	9.25	8.59	8.26	7.87	8.12	8.42	8.92	9.12	9.00	8.75	8.47	7.99	—
	8	8.45	7.92	7.70	7.57	7.50	8.04	8.57	9.10	8.96	9.00	8.69	7.97	—
	9	8.01	7.66	7.63	7.48	7.34	7.74	8.42	8.84	8.84	8.53	8.32	7.46	—
	10	8.09	7.60	7.08	7.33	7.64	7.84	8.62	9.27	9.34	9.99	9.69	9.05	—
	11	8.60	7.91	7.72	7.75	8.02	8.58	8.96	9.43	9.76	9.59	9.14	8.44	—
	12	8.81	8.55	8.25	8.29	8.41	8.48	8.96	9.46	9.47	9.16	8.93	8.52	—
	13	8.81	8.30	8.29	8.07	8.06	8.15	8.37	8.80	8.99	8.90	8.65	7.98	—
	14	8.39	7.85	7.85	7.82	8.07	8.35	8.85	9.23	9.29	9.21	9.01	8.40	—
	15	9.27	9.11	8.68	8.85	9.02	9.22	9.61	10.10	10.35	9.99	9.79	9.28	—
	16	10.17	9.80	9.30	9.31	9.91	10.24	10.36	10.64	10.78	10.65	10.38	9.84	—
	17	10.59	10.20	9.71	9.98	10.33	10.40	10.65	11.16	11.50	10.98	10.76	10.28	—
	18	9.83	9.22	9.01	9.04	9.22	9.51	9.96	10.44	10.35	10.12	9.72	9.17	—
	19	10.30	9.78	9.29	9.32	9.83	10.01	10.39	10.73	10.95	10.78	10.07	9.51	—
	20	10.24	9.87	9.78	9.40	9.68	9.94	10.34	10.81	10.92	10.82	10.71	10.26	—
	21	10.68	10.04	10.04	10.05	10.21	10.65	10.95	11.43	11.44	11.25	10.63	9.87	—
	22	10.44	10.23	9.83	9.58	9.45	9.69	10.16	10.83	10.80	10.63	10.22	9.57	—
	23	10.19	9.54	9.08	9.01	9.00	9.22	9.79	10.25	10.36	10.49	10.03	9.53	—
	24	10.16	9.80	9.44	9.38	9.59	9.87	10.06	10.39	10.73	10.67	10.25	9.59	—
	25	10.26	10.13	9.79	9.46	9.56	9.79	10.26	10.60	10.66	10.48	9.89	9.44	—
	26	10.29	9.93	9.85	9.56	9.90	10.19	10.56	10.83	10.89	10.69	10.19	9.71	—
	27	10.38	9.85	9.51	9.41	9.58	9.86	9.89	10.04	10.15	9.78	9.50	8.82	—
	28	9.79	9.54	9.25	9.27	9.32	9.44	9.60	9.92	9.84	9.60	9.24	8.70	—
	29	10.02	9.73	9.35	9.34	9.66	9.96	10.41	10.61	10.55	10.14	9.68	9.21	—
	30	10.15	9.94	10.02	10.09	10.43	10.60	11.08	11.28	11.44	11.07	10.83	10.54	—
Hourly Means.		9.55	9.13	8.87	8.81	9.02	9.31	9.73	10.15	10.24	10.06	9.70	9.12	—
Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
J U N E.	1	7.67	7.07	6.68	7.26	7.57	7.91	8.56	8.93	9.37	9.42	9.58	9.55	8.64
	2	8.69	8.33	7.82	7.93	8.41	8.77	9.31	9.94	10.26	10.43	10.24	9.67	9.40
	3	8.96	8.39	8.25	8.05	8.40	9.06	9.66	10.00	10.38	10.19	9.99	9.95	9.28
	4	8.63	8.02	7.67	7.59	7.81	8.48	8.94	9.56	10.00	10.23	10.17	9.93	9.25
	5	8.70	7.97	7.68	7.58	7.92	8.18	8.58	9.16	9.59	9.68	9.50	9.28	8.99
	6	8.27	7.47	7.11	7.27	8.18	8.48	8.85	9.32	9.82	9.83	9.83	9.65	8.94
	7	7.43	7.09	6.89	6.86	6.98	7.38	7.93	8.67	8.90	8.98	8.81	8.73	8.23
	8	7.46	6.58	6.43	6.43	6.39	6.61	7.01	7.39	7.87	8.07	8.01	7.99	7.74
	9	6.78	6.23	5.61	5.49	5.69	6.09	6.68	7.52	7.75	8.08	8.34	8.39	7.46
	10	8.53	7.98	7.48	7.18	7.33	7.63	7.76	8.30	8.58	8.79	8.82	8.72	8.28
	11	7.88	7.49	7.22	7.29	7.47	7.75	8.30	8.76	9.14	9.33	9.24	9.04	8.45
	12	7.70	7.36	7.03	7.03	7.22	7.62	8.17	8.34	8.89	9.18	9.06	8.94	8.41
	13	7.37	6.64	6.09	6.06	6.35	6.62	7.50	8.10	8.53	8.54	8.47	8.46	7.92
	14	7.84	7.32	6.91	6.92	7.08	7.53	8.12	8.68	9.27	9.38	9.69	9.57	8.36
	15	8.79	8.37	7.91	8.42	8.43	8.99	9.57	10.00	10.57	10.79	10.84	10.72	9.44
	16	9.48	8.93	8.92	8.69	9.13	9.44	9.94	10.43	10.82	11.39	11.13	10.90	10.02
	17	9.64	8.97	8.49	8.74	8.92	9.33	9.88	10.52	11.22	10.97	10.72	10.44	10.18
	18	8.72	8.43	8.13	8.03	8.38	8.73	9.53	10.08	10.70	10.90	10.84	10.88	9.54
	19	9.23	8.77	8.37	8.31	8.68	8.87	9.19	9.63	10.37	10.55	10.58	10.45	9.75
	20	9.62	8.92	8.76	8.66	8.86	9.28	9.59	9.96	10.56	11.00	11.04	10.88	10.00
	21	9.36	8.61	8.18	8.21	8.47	9.03	9.73	10.28	10.73	11.03	11.35	11.22	10.14
	22	8.88	8.33	7.78	7.71	8.06	8.59	9.19	9.77	10.14	10.37	10.55	10.52	9.64
	23	9.02	8.44	8.08	8.14	8.18	8.59	9.22	9.95	10.70	11.03	11.08	10.68	9.57
	24	9.27	8.78	8.56	8.37	8.59	8.90	9.13	9.92	10.60	10.78	10.92	10.74	9.77
	25	8.83	8.46	8.06	8.01	8.33	8.38	8.78	9.58	10.09	10.32	10.65	10.53	9.60
	26	9.21	8.62	8.27	8.37	8.44	8.89	9.36	10.12	10.60	10.80	10.84	10.65	9.87
	27	8.18	7.47	7.22	7.23	7.46	7.86	8.55	9.27	9.64	9.93	10.02	9.97	9.15
	28	7.94	7.34	7.19	7.24	7.49	8.20	8.59	9.36	9.94	10.07	10.10	10.08	9.04
	29	8.88	8.31	7.82	8.07	8.31	8.66	9.08	9.64	10.30	10.52	10.62	10.44	9.55
	30	10.07	9.46	8.92	8.86	9.06	9.52	10.03	10.64	11.10	11.28	11.17	11.05	10.36
Hourly Means.		8.57	8.01	7.65	7.67	7.92	8.31	8.82	9.39	9.88	10.06	10.07	9.93	9.17

STANDARD THERMOMETER.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
J U N E.	1	76.3	76.0	75.4	75.2	74.3	74.3	75.4	79.6	82.0	83.7	85.6	86.7	—
	2	76.1	75.0	74.4	74.0	73.3	73.0	73.5	75.6	79.0	81.5	81.0	85.2	—
	3	75.3	74.5	73.8	73.6	73.2	72.9	74.1	76.0	78.8	81.9	83.9	84.1	—
	4	72.9	72.2	72.2	72.0	71.5	70.9	71.8	75.0	78.5	81.5	83.6	84.7	—
	5	74.6	74.2	73.4	72.7	72.1	71.6	71.8	74.5	78.1	81.8	83.1	85.0	—
	6	75.6	75.3	74.9	73.9	73.5	73.9	75.5	76.1	79.2	82.7	85.2	84.5	—
	7	75.9	75.4	75.4	75.0	75.3	75.5	75.6	77.5	81.1	83.4	84.6	86.0	—
	8	76.6	75.9	75.1	74.7	74.2	73.8	74.3	77.3	80.9	83.5	84.8	85.7	—
	9	77.5	77.3	77.1	77.1	77.1	76.6	76.6	77.4	80.1	83.3	85.1	85.9	—
	10	77.0	77.2	77.0	76.7	76.5	76.5	76.5	76.5	77.5	76.5	76.8	80.0	—
	11	75.4	75.0	74.5	74.0	73.6	73.3	73.0	75.0	77.7	81.3	83.0	84.3	—
	12	77.0	76.0	75.2	74.2	73.9	73.7	74.0	76.6	79.5	81.6	83.6	83.2	—
	13	75.4	74.4	73.9	73.3	73.1	72.7	73.1	75.9	79.5	81.9	83.3	84.1	—
	14	74.7	74.3	74.0	73.9	74.0	74.0	74.4	76.2	78.6	81.2	81.9	83.4	—
	15	74.1	73.6	73.4	73.2	72.9	72.7	73.4	76.5	79.6	82.3	83.6	84.3	—
	16	74.9	74.2	74.0	73.5	73.2	72.8	73.5	76.3	79.7	82.2	83.7	85.7	—
	17	75.1	74.9	74.4	74.0	73.4	72.9	73.3	75.6	80.3	82.7	84.6	86.0	—
	18	75.5	74.6	74.6	73.8	73.0	72.6	72.9	76.2	79.5	82.7	83.2	85.8	—
	19	75.1	74.4	73.9	73.5	72.9	72.0	72.4	75.2	79.1	82.3	84.0	85.5	—
	20	76.8	76.4	75.6	75.3	74.8	74.3	74.4	76.4	80.2	82.8	85.2	86.3	—
	21	74.4	74.1	73.9	73.2	72.7	71.7	71.7	74.5	78.8	82.2	85.2	87.0	—
	22	76.9	75.2	74.2	74.4	73.8	73.0	73.0	75.5	79.6	82.5	85.5	87.3	—
	23	73.6	72.9	72.1	71.9	71.5	70.9	71.6	74.3	77.7	81.2	83.2	85.5	—
	24	73.8	73.6	72.3	72.0	71.8	71.1	71.7	73.8	78.3	80.3	82.6	83.2	—
	25	74.1	73.9	73.0	73.2	72.8	72.2	72.4	75.0	78.0	80.9	82.3	84.2	—
	26	74.9	74.4	73.5	72.7	71.8	71.6	72.0	74.5	78.6	81.6	83.1	84.7	—
	27	75.8	75.0	75.0	75.0	74.0	73.4	73.4	75.5	77.6	79.9	83.0	85.5	—
	28	74.4	73.5	73.1	72.3	72.1	71.6	72.0	74.6	77.9	81.1	84.0	85.3	—
	29	76.4	75.8	75.3	74.6	73.3	73.0	73.0	75.5	78.9	81.5	83.8	84.6	—
	30	76.1	75.3	75.2	74.2	73.5	73.3	73.5	75.2	77.6	80.8	83.0	84.6	—
Hourly Means.		75.41	74.82	74.33	73.90	73.44	73.06	73.46	75.79	79.06	81.76	83.62	84.94	—
Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
J U N E.	1	87.4	88.0	87.3	86.2	85.1	83.1	81.5	80.2	79.4	78.6	77.5	77.0	80.66
	2	85.7	85.0	84.7	84.3	83.2	81.7	80.4	79.7	79.0	78.3	77.4	76.1	79.17
	3	85.0	84.3	78.6	82.3	82.6	81.5	79.6	77.5	75.2	74.2	73.8	73.2	77.91
	4	85.9	86.7	86.2	85.1	83.5	82.0	80.5	78.5	77.3	76.5	76.0	75.3	78.35
	5	85.4	85.2	84.2	83.5	83.1	82.0	80.7	79.4	79.0	77.9	77.3	76.6	78.63
	6	84.5	84.1	84.1	83.4	82.7	81.7	80.4	79.0	78.3	77.3	76.8	76.1	79.11
	7	87.4	85.5	81.6	84.3	83.2	82.0	80.6	79.5	78.3	77.7	77.2	76.6	79.90
	8	86.1	86.7	86.5	85.8	85.1	83.5	82.1	80.7	79.5	78.8	78.0	77.7	80.30
	9	85.1	84.7	85.4	85.4	83.8	82.2	81.0	80.0	79.2	78.8	77.8	77.1	80.48
	10	81.0	30.6	81.4	82.4	81.5	80.4	79.1	78.6	77.8	77.0	76.4	75.9	78.20
	11	85.6	84.6	84.2	83.2	82.8	81.4	80.0	79.3	79.1	78.7	78.2	77.5	78.95
	12	84.4	84.5	84.3	83.7	82.6	81.6	79.9	79.3	78.5	77.4	77.1	76.4	79.09
	13	84.6	84.9	83.9	83.3	82.5	81.5	80.6	77.6	75.7	75.2	74.8	74.5	78.32
	14	85.1	84.3	83.5	83.2	82.7	81.6	80.6	79.5	76.5	76.0	75.4	74.2	78.47
	15	85.4	85.0	84.5	79.6	80.8	80.1	78.9	78.1	77.2	76.4	76.2	75.3	78.21
	16	85.8	86.0	81.2	84.0	82.3	79.6	78.9	78.1	77.4	76.9	76.1	75.6	78.57
	17	87.0	85.6	85.0	85.0	84.2	82.4	81.2	80.0	78.3	77.4	76.5	76.0	79.41
	18	87.1	87.6	87.5	86.3	84.7	82.6	80.6	79.0	77.6	76.9	75.7	75.4	79.39
	19	86.5	86.0	85.0	84.0	83.1	82.1	80.6	79.0	78.0	77.5	77.0	76.3	78.98
	20	87.4	87.6	87.2	86.5	85.0	83.0	81.0	79.8	78.2	77.2	76.3	75.2	80.12
	21	88.2	88.6	87.4	85.3	84.1	83.0	81.8	79.6	78.4	78.0	77.8	77.6	79.55
	22	88.3	88.4	87.9	85.9	85.0	82.7	81.0	78.9	77.0	76.1	75.2	74.2	79.65
	23	86.0	86.2	85.5	84.4	83.3	81.5	79.5	77.7	77.0	76.5	76.2	73.4	78.07
	24	84.1	84.7	83.3	83.1	82.1	80.7	79.5	78.6	76.1	74.6	74.6	74.6	77.52
	25	85.3	84.6	83.9	83.9	78.0	78.8	78.5	78.0	77.5	77.1	76.1	75.3	77.88
	26	84.8	83.5	83.8	83.4	82.2	81.0	80.0	79.1	77.9	77.4	76.4	75.8	78.28
	27	86.0	86.3	86.0	84.8	83.6	81.6	80.1	78.8	78.0	76.6	75.9	75.4	79.01
	28	86.5	84.8	85.2	84.6	83.3	81.8	80.7	79.6	78.4	78.1	77.4	76.7	78.71
	29	86.6	86.8	87.0	86.0	84.2	82.4	80.6	79.6	78.6	78.0	77.6	76.5	79.57
	30	85.7	85.0	85.5	84.1	83.6	81.9	80.2	78.6	77.2	76.4	76.0	75.6	78.84
Hourly Means.		85.80	85.53	84.83	84.23	83.13	81.71	80.34	79.04	77.85	77.12	76.49	75.77	78.98

RELATIVE HUMIDITY OF THE AIR.

SATURATION = 1000.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
J U N E.	1	932	940	948	948	956	956	880	809	778	741	680	652	—
	2	906	914	939	930	946	937	946	889	831	763	707	666	—
	3	889	904	912	912	920	937	921	882	823	720	646	647	—
	4	929	936	936	928	927	927	909	863	800	719	665	631	—
	5	913	913	920	910	910	928	928	897	821	699	607	645	—
	6	915	915	914	921	921	930	915	899	855	752	666	682	—
	7	923	931	923	914	898	889	889	819	712	712	709	694	—
	8	916	923	939	939	930	930	930	859	805	719	664	654	—
	9	892	884	892	900	900	916	907	884	834	775	724	706	—
	10	916	925	924	924	932	948	940	948	908	882	924	833	—
	11	940	947	956	956	947	946	946	914	861	712	712	642	—
	12	900	931	947	956	956	947	947	900	817	715	699	712	—
	13	931	947	938	938	937	937	955	906	848	757	712	648	—
	14	947	965	956	965	965	965	932	885	790	792	792	691	—
	15	912	921	938	938	946	955	938	891	848	751	706	689	—
	16	922	939	939	938	938	929	929	882	825	751	687	649	—
	17	939	939	939	930	929	929	911	861	738	670	637	617	—
	18	905	913	913	921	929	919	894	825	772	696	685	636	—
	19	905	921	921	920	920	910	893	847	801	701	667	621	—
	20	916	916	931	931	939	930	921	899	818	710	639	582	—
	21	879	879	870	895	911	901	892	854	778	654	565	526	—
	22	867	880	896	896	887	894	903	856	713	615	530	481	—
	23	895	894	910	901	891	908	891	829	790	691	632	536	—
	24	938	929	919	910	892	909	883	869	753	715	636	587	—
	25	939	947	929	938	929	936	910	847	761	676	651	622	—
	26	897	904	921	911	910	909	910	888	778	699	657	638	—
	27	906	922	905	897	921	929	938	864	813	758	671	604	—
	28	879	903	903	919	928	927	919	888	744	656	552	534	—
	29	866	889	905	904	929	929	903	832	748	651	589	599	—
	30	899	905	840	853	877	886	886	815	760	676	578	531	—
Hourly Means.		910	919	921	921	924	926	917	872	801	718	666	632	—
Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
J U N E.	1	643	614	635	656	703	767	828	864	886	878	892	900	812
	2	687	677	716	708	753	807	849	894	886	869	875	882	832
	3	684	750	853	786	780	813	879	844	863	896	903	911	836
	4	611	560	624	588	659	721	774	821	851	874	890	898	793
	5	640	653	688	740	775	792	819	855	878	893	907	916	819
	6	676	688	688	699	738	735	774	839	869	900	907	923	822
	7	635	699	743	742	767	800	842	879	893	901	907	916	822
	8	675	658	657	661	704	747	822	857	894	894	917	908	817
	9	724	743	718	678	748	808	843	886	894	878	892	916	831
	10	776	789	748	744	770	842	886	902	917	932	940	940	883
	11	641	651	668	718	759	813	864	878	886	885	869	884	833
	12	676	657	682	679	722	784	840	855	862	900	900	916	829
	13	613	684	700	719	744	770	811	867	923	922	930	939	838
	14	703	701	719	753	766	799	835	863	874	889	905	912	856
	15	699	701	689	833	782	841	878	901	907	899	890	914	849
	16	649	612	790	741	772	879	878	901	917	916	932	931	844
	17	597	693	697	703	707	793	813	818	861	884	907	906	810
	18	557	565	581	619	657	731	775	816	852	875	898	898	785
	19	651	630	684	700	711	758	797	839	868	876	891	915	806
	20	575	570	550	571	677	746	798	810	837	851	857	861	785
	21	481	472	586	645	673	703	763	817	838	853	861	868	757
	22	477	466	475	617	638	703	747	808	851	873	880	896	744
	23	520	539	560	610	644	705	779	836	851	841	841	929	768
	24	629	618	645	671	694	768	801	807	915	930	922	913	802
	25	571	624	660	673	838	823	792	837	867	835	873	889	807
	26	658	673	660	685	730	790	818	847	876	875	906	906	810
	27	630	600	636	651	713	784	818	831	837	875	899	848	802
	28	501	618	594	630	671	713	760	794	814	814	860	848	766
	29	512	519	520	544	662	716	760	780	815	821	836	874	754
	30	484	570	561	622	645	707	722	777	804	833	841	856	747
Hourly Means.		620	633	658	680	720	772	812	845	870	879	891	901	809

DIRECTION OF THE WIND.

Mean Batavia Time.	1 A. M.	2	3	4	5	6	7	8	9	10	11	12
J U N E.	1	ENE	ENE	ENE	ENE	E	E	E	E	ESE	E	ENE
	2	C	C	C	C	C	C	ENE	ENE	ENE	ENE	ENE
	3	C	C	C	C	C	C	C	C	NE	ENE	NE
	4	C	C	C	C	C	C	C	NNE	NNE	NNE	NNE
	5	C	C	C	C	C	C	C	C	NE	NE	NE
	6	NNE	C	NNE	C	C	NNE	NNE	NNE	ESE	ESE	E
	7	C	ENE	FNE	ENE	ESE	ESE	ESE	ESE	ESE	ESE	E
	8	NE	NE	C	C	C	C	NE	NE	ENE	ENE	E
	9	E	E	C	C	C	E	E	C	E	ESE	ESE
	10	C	C	C	C	C	C	NE	NE	SE	SSE	SSE
	11	C	C	C	C	C	C	E	E	E	ESE	ESE
	12	C	C	C	C	C	C	C	NNE	NNE	NNE	NNE
	13	C	C	C	C	C	C	C	C	NNE	NE	NNE
	14	C	C	C	C	C	C	NE	C	C	NE	NE
	15	C	C	C	C	C	C	C	SSE	SSE	SSE	E
	16	ESE	ESE	C	C	C	ESE	ESE	ESE	ESE	ESE	ENE
	17	C	C	C	C	C	C	C	ESE	ESE	ESE	ESE
	18	C	C	C	C	C	C	C	C	NE	E	ESE
	19	C	C	C	C	C	C	C	C	ENE	ENE	ENE
	20	C	C	C	C	C	C	C	NNE	NNE	E	ENE
	21	NE	NE	C	C	C	C	NE	C	NE	ENE	ESE
	22	C	C	NNE	C	C	NNE	NNE	C	NNE	ENE	E
	23	C	C	C	C	NE	C	NE	C	ENE	ENE	ENE
	24	C	C	C	NE	C	NE	NE	C	C	NE	NE
	25	C	NE	C	C	C	C	NE	NE	SSE	SSE	SSE
	26	C	C	NE	NE	C	C	C	C	NE	NE	ENE
	27	NNE	C	NNE	NE	C	C	NE	NE	NE	NE	E
	28	C	C	C	C	C	C	C	C	NE	NE	ENE
	29	C	C	C	C	C	C	C	C	NE	NE	NE
	30	C	C	C	C	C	C	C	ENE	ENE	ENE	E

Mean Batavia Time.	1 P. M.	2	3	4	5	6	7	8	9	10	11	12
J U N E.	1	ENE	ENE	E	ENE	E	E	C	C	ENE	ENE	ENE
	2	NE	N	N	NNE	NNE	C	C	C	C	C	C
	3	NNE	ENE	NE	NNE	NNE	NNE	NNE	NNE	C	C	C
	4	NE	NE	NE	NE	NE	NE	C	C	C	C	C
	5	NE	N	N	NNE	NNE	NNE	C	C	C	C	C
	6	E	ESE	ENE	ENE	ENE	ENE	C	C	C	C	C
	7	ENE	ENE	ENE	NE	NE	NE	C	C	C	NE	NE
	8	ENE	ENE	NE	E	E	E	E	C	C	C	E
	9	ENE	NE	ENE	ENE	NE	NE	C	C	C	C	C
	10	SSE	E	E	E	E	E	C	C	C	C	C
	11	ESE	ESE	NE	NNE	NNE	C	C	C	C	C	C
	12	NNE	N	N	NNE	NNE	C	C	C	C	C	C
	13	NNE	NNE	NNE	N	NNE	NNE	NNE	NE	C	C	NE
	14	NE	NNE	N	NNE	NE	NE	C	NE	SSE	C	C
	15	ENE	NE	NNE	ESE	ESE	C	C	C	ESE	C	ESE
	16	E	ENE	NE	NE	E	C	C	C	C	C	C
	17	E	N	N	NE	NE	NE	NE	C	C	C	C
	18	ENE	ENE	ENE	ENE	ENE	ENE	ENE	C	C	C	C
	19	NE	NNE	N	NNE	NNE	NNE	C	C	C	C	C
	20	NE	ENE	NE	ENE	NE	NE	NE	NE	NE	NE	NE
	21	SE	ENE	NE	NNE	NNE	NNE	C	C	C	C	C
	22	SE	ENE	NE	NNE	NE	NE	C	C	C	C	C
	23	ENE	NE	N	N	N	C	C	C	N	NE	C
	24	NE	N	N	N	N	C	C	N	NE	NE	C
	25	E	NE	N	NNE	NNE	NNE	NE	C	C	C	C
	26	NE	NE	NNE	NNE	NNE	NNE	NNE	C	C	NNE	NNE
	27	ENE	NNE	NNE	NE	NE	NE	NE	C	C	C	C
	28	ENE	N	N	NNE	NNE	NNE	NNE	C	C	C	C
	29	ENE	ENE	ENE	ENE	ENE	ENE	C	C	C	C	C
	30	E	NNE	NNE	NNE	NNE	NNE	C	C	C	C	C

VELOCITY OF THE WIND IN KILOMETERS PER HOUR.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
J U N E.	1	1.6	0.8	3.2	4.8	3.2	0.8	0.8	7.2	11.3	16.1	16.9	18.5	—
	2	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.6	1.6	3.2	5.6	4.0	—
	3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	7.2	5.6	6.4	—
	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8	1.6	—
	5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	2.4	3.2	7.2	—
	6	0.8	0.0	1.6	0.0	0.0	1.6	1.6	1.6	4.8	12.1	13.7	11.3	—
	7	0.0	0.8	4.0	8.9	4.0	3.2	4.0	8.0	11.3	14.5	17.7	18.5	—
	8	0.8	0.8	0.0	0.0	0.0	0.0	0.8	4.0	11.3	14.5	16.1	15.3	—
	9	2.4	0.8	0.0	0.0	6.0	0.8	0.8	0.0	4.0	10.5	12.1	7.2	—
	10	0.0	0.0	0.0	0.0	0.0	0.0	0.8	2.4	3.2	6.4	1.6	2.4	—
	11	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	4.0	8.0	5.6	5.6	—
	12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	3.2	1.6	1.6	0.8	—
	13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	2.4	2.4	4.8	—
	14	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.0	0.0	1.6	4.8	5.6	—
	15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	3.2	5.6	6.4	8.0	—
	16	1.6	3.2	0.0	0.0	0.0	0.8	1.6	4.0	8.9	11.3	11.3	12.1	—
	17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	6.4	7.2	7.2	8.9	—
	18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	5.6	7.2	12.1	—
	19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.6	3.2	2.4	—
	20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	4.0	7.2	12.1	15.3	—
	21	1.6	2.4	0.0	0.0	0.0	0.0	0.8	0.0	0.8	3.2	4.8	7.2	—
	22	0.0	0.0	0.8	0.0	0.0	0.8	0.8	0.0	2.4	5.6	9.7	12.1	—
	23	0.0	0.0	0.0	0.0	1.6	0.0	0.8	0.0	4.0	4.0	3.2	3.2	—
	24	0.0	0.0	0.0	0.8	0.0	0.8	1.6	0.0	0.0	1.6	1.6	2.4	—
	25	0.0	0.8	0.0	0.0	0.0	0.0	0.8	4.0	6.4	3.2	3.2	3.2	—
	26	0.0	0.0	0.8	0.8	0.0	0.0	0.0	0.0	2.4	7.2	7.2	8.0	—
	27	0.8	0.0	2.4	0.8	0.0	0.0	0.8	1.6	0.8	4.8	7.2	7.2	—
	28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	3.2	8.9	9.7	—
	29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	3.2	6.4	7.2	—
	30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.6	1.6	3.2	1.6	—
Hourly Means.		0.32	0.32	0.43	0.54	0.29	0.29	0.61	1.39	3.48	5.91	7.02	7.66	—
Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
J U N E.	1	16.9	20.1	18.5	15.3	9.7	5.6	0.0	0.0	1.6	1.6	0.8	0.0	7.30
	2	6.4	8.9	8.9	7.2	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.18
	3	6.4	4.8	4.0	6.4	5.6	0.8	1.6	4.0	0.8	0.0	0.0	0.0	2.33
	4	2.4	4.0	11.3	12.9	6.4	3.2	0.8	0.0	0.0	0.0	0.0	0.0	1.91
	5	8.9	8.9	12.1	11.3	7.2	0.8	0.0	0.0	0.0	0.0	0.0	0.0	2.62
	6	15.3	12.1	13.7	8.9	5.6	3.2	0.0	0.0	0.0	0.0	0.0	0.0	4.50
	7	15.3	11.3	11.3	11.3	4.8	1.6	0.0	0.0	0.0	0.8	0.8	1.6	6.40
	8	16.1	12.9	15.3	11.3	8.0	4.8	0.8	1.6	0.0	0.0	0.0	0.8	5.63
	9	9.7	9.7	13.7	12.1	8.9	3.2	0.0	0.0	0.0	0.0	0.8	0.0	4.03
	10	1.6	7.2	0.8	1.6	1.6	0.8	0.0	0.0	0.0	0.0	0.0	0.0	1.27
	11	4.8	6.4	11.3	9.7	5.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.61
	12	8.0	6.4	6.4	4.0	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.40
	13	8.0	10.5	12.9	10.5	5.6	0.8	2.4	1.6	0.0	0.0	0.8	0.8	2.68
	14	8.0	9.7	12.1	12.1	9.7	1.6	0.0	2.4	6.4	0.0	0.0	0.0	3.12
	15	10.5	9.7	11.3	8.9	1.6	0.0	0.0	0.0	0.8	0.0	0.0	0.8	2.85
	16	12.9	15.3	5.6	11.3	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.33
	17	9.7	10.5	7.2	11.3	4.0	1.6	0.8	0.8	0.0	0.0	0.0	0.0	3.22
	18	13.7	15.3	14.5	12.9	7.2	4.8	3.2	0.8	0.0	0.0	0.0	0.0	4.12
	19	6.4	11.3	10.5	8.9	7.2	1.6	0.0	0.0	0.0	0.0	0.0	0.0	2.25
	20	11.5	15.3	14.5	13.7	9.7	4.8	1.6	1.6	1.6	2.4	0.8	1.6	5.06
	21	6.4	7.2	10.5	8.9	5.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0	2.54
	22	10.5	12.9	11.3	11.3	6.4	0.8	0.0	0.0	0.0	0.0	0.0	0.0	3.56
	23	2.4	8.0	8.9	7.2	4.0	0.0	0.0	0.0	2.4	3.2	3.2	0.0	2.34
	24	5.6	8.0	8.9	6.4	4.8	0.8	0.0	2.4	2.4	1.6	0.8	0.0	2.10
	25	5.6	11.3	11.3	8.0	1.6	4.0	4.0	0.0	0.0	0.0	0.0	0.0	2.81
	26	9.7	10.5	12.1	14.5	12.1	4.8	1.6	0.8	0.0	0.0	0.8	0.8	3.92
	27	8.0	12.1	14.5	17.7	12.1	4.0	0.8	0.8	0.0	0.0	0.0	0.0	4.02
	28	9.7	8.9	8.0	12.1	7.2	3.2	1.6	0.0	0.0	0.0	0.0	0.0	3.13
	29	9.7	10.5	9.0	12.1	9.7	4.0	3.2	0.0	0.0	0.0	0.0	0.0	3.12
	30	5.6	12.1	11.3	12.9	8.9	2.4	0.8	0.0	0.0	0.0	0.0	0.0	2.62
Hourly Means.		8.96	10.39	10.75	10.42	6.32	2.16	0.77	0.56	0.53	0.32	0.29	0.21	3.33

CLOUDS

CLEAR = 0. OVERCAST = 10.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
J U N E.	1	6	7	6	7	8	6	5	2	2	6	6	7	—
	2	1	1	0	0	1	1	1	1	0	6	7	2	—
	3	6	3	4	3	7	9	9	7	3	5	5	7	—
	4	1	0	0	0	0	1	2	3	1	1	1	5	—
	5	3	3	2	4	6	4	4	3	3	3	5	5	—
	6	6	8	9	10	8	10	7	6	4	4	6	3	—
	7	4	4	3	4	6	9	4	1	1	0	8	5	—
	8	3	2	3	2	1	3	4	3	4	4	6	7	—
	9	9	10	10	10	10	7	7	6	3	5	5	6	—
	10	9	10	10	10	10	7	10	10	10	9	9	9	—
	11	4	3	3	3	7	5	2	3	3	6	8	8	—
	12	5	3	2	2	1	2	2	1	0	1	0	9	—
	13	1	2	1	1	1	2	2	1	3	5	5	3	—
	14	10	10	10	10	9	4	7	6	1	4	7	2	—
	15	7	6	6	4	6	7	4	3	5	5	7	7	—
	16	4	7	4	2	4	7	2	2	1	6	7	7	—
	17	4	7	9	5	2	2	1	0	1	0	1	0	—
	18	5	7	3	6	5	6	4	4	3	5	7	5	—
	19	3	2	2	1	2	4	1	1	1	1	2	3	—
	20	7	4	4	6	3	2	4	3	3	2	2	4	—
	21	6	4	4	5	6	6	2	1	1	0	2	5	—
	22	2	3	4	6	3	4	0	1	2	1	0	0	—
	23	1	2	1	3	1	2	1	0	0	0	1	2	—
	24	9	7	3	3	4	7	2	0	1	1	3	3	—
	25	10	10	7	4	4	3	5	3	3	5	3	3	—
	26	6	6	4	6	4	4	3	2	2	6	6	7	—
	27	2	1	1	2	2	3	1	0	10	2	5	2	—
	28	1	2	0	1	1	1	0	0	0	1	0	0	—
	29	8	6	3	0	2	6	0	0	0	0	0	1	—
	30	7	4	2	2	6	3	9	8	7	7	6	6	—
Hourly Means.		5.0	4.8	4.0	4.1	4.3	4.6	3.5	2.7	2.6	3.4	4.3	4.4	—
Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
J U N E.	1	5	4	3	3	1	1	0	1	0	0	1	0	3.6
	2	6	7	7	5	3	8	9	10	9	8	8	6	4.5
	3	4	9	9	3	1	6	7	5	5	3	2	2	5.2
	4	3	3	3	4	2	1	2	1	0	1	2	1	1.6
	5	2	4	6	5	2	2	5	7	3	5	7	4	4.0
	6	9	9	9	9	9	6	7	10	10	3	2	8	7.2
	7	4	7	7	8	8	10	3	3	3	2	1	1	4.4
	8	4	5	3	9	9	6	9	9	10	10	10	7	5.5
	9	8	9	6	3	4	2	2	7	7	8	4	7	6.5
	10	9	8	6	6	7	6	9	8	9	6	3	3	8.1
	11	7	8	6	6	5	4	2	7	10	10	9	6	5.6
	12	8	8	9	10	6	9	5	2	2	4	6	5	4.3
	13	1	0	1	0	2	4	10	10	10	6	4	10	3.5
	14	4	4	5	6	4	2	4	6	8	6	6	4	5.8
	15	7	4	2	9	5	4	4	3	3	2	2	3	4.8
	16	7	9	7	5	7	6	2	3	5	2	1	3	4.6
	17	5	3	4	4	6	8	3	5	5	7	8	9	4.1
	18	2	1	0	0	1	0	3	3	2	2	6	3	3.5
	19	4	2	2	1	3	4	6	7	8	4	5	6	3.1
	20	5	2	1	1	2	3	3	2	2	1	2	1	2.9
	21	2	4	3	2	2	3	2	1	2	6	7	3	3.3
	22	7	5	0	0	2	1	0	0	0	0	0	0	1.7
	23	7	6	2	1	4	2	2	1	3	6	10	10	2.8
	24	4	3	4	1	1	3	4	6	10	10	10	10	4.5
	25	5	3	3	9	9	7	4	10	7	3	3	8	5.5
	26	9	6	4	4	2	2	2	1	2	3	2	1	3.9
	27	5	7	8	8	6	9	2	0	0	0	0	0	3.2
	28	1	2	0	1	2	4	6	4	4	2	1	2	1.5
	29	1	2	1	1	1	5	4	9	7	6	9	6	3.3
	30	8	6	3	1	1	2	0	5	7	8	9	5	5.1
Hourly Means.		5.1	5.0	4.1	4.2	3.9	4.3	4.0	4.9	5.1	4.5	4.7	4.5	4.25

BAROMETRIC PRESSURE.

BAROMETER AT 0°C = 750 MILLIMETRES + THE NUMBERS IN THE TABLE.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
JULY.	1	10.79	10.24	9.86	9.79	9.85	10.08	10.45	11.00	11.24	10.89	10.39	9.83	—
	2	9.38	9.12	8.86	8.60	9.01	9.23	9.92	10.13	10.45	10.12	9.45	8.89	—
	3	10.06	9.39	9.28	9.30	9.43	9.83	10.20	10.61	10.79	10.61	10.08	9.64	—
	4	10.31	9.83	9.74	9.75	9.85	10.16	10.59	11.04	11.36	11.60	11.34	10.93	—
	5	9.95	9.71	9.29	9.99	10.10	10.54	10.85	11.45	11.60	11.65	11.18	10.56	—
	6	10.37	9.97	9.52	9.52	9.54	9.59	9.89	10.29	10.53	10.39	9.90	8.92	—
	7	9.10	8.85	8.56	8.47	8.72	9.03	9.37	9.79	10.10	9.92	9.38	8.63	—
	8	9.48	9.27	9.05	9.00	9.24	9.47	9.96	10.61	10.77	10.59	10.27	9.62	—
	9	9.91	9.35	8.96	8.91	9.07	9.27	9.97	10.42	10.37	10.05	9.55	8.92	—
	10	9.21	8.96	8.67	8.50	8.47	8.40	8.97	9.33	9.26	8.87	8.70	7.88	—
	11	8.46	7.97	7.87	7.57	7.72	7.88	8.15	8.83	8.91	8.64	8.29	7.75	—
	12	8.34	7.85	7.72	7.66	7.95	8.20	8.74	9.13	9.28	9.21	8.98	8.49	—
	13	8.72	8.31	8.25	8.37	8.53	8.80	9.23	9.59	9.74	9.77	9.55	8.95	—
	14	8.87	8.67	8.22	8.17	8.41	8.57	8.92	9.42	9.40	9.27	8.70	8.12	—
	15	8.44	8.10	8.01	7.85	8.12	8.51	8.96	9.38	9.47	9.19	8.77	8.22	—
	16	8.59	7.97	7.85	8.17	8.48	8.66	8.80	9.45	9.38	9.10	8.81	8.22	—
	17	8.85	8.73	8.21	8.40	8.62	90.4	9.71	10.27	10.36	9.93	9.60	8.77	—
	18	9.58	9.02	8.85	8.82	9.00	9.53	10.05	10.54	10.54	10.32	9.67	8.99	—
	19	9.77	9.53	9.30	9.26	9.51	9.90	10.40	10.80	10.91	10.70	10.39	9.87	—
	20	10.68	10.20	10.04	9.93	10.00	10.08	10.46	11.10	11.08	10.90	10.32	9.61	—
	21	9.80	9.41	8.96	8.82	8.95	9.10	9.28	10.04	10.29	9.87	9.60	9.39	—
	22	9.12	8.90	8.73	8.76	8.55	8.92	9.54	10.17	10.61	10.59	10.14	9.67	—
	23	9.83	9.36	9.12	9.00	9.02	9.35	9.79	10.24	10.36	10.24	9.80	9.28	—
	24	9.45	9.34	9.20	9.11	9.23	9.59	10.23	10.53	10.49	10.25	9.77	9.14	—
	25	9.33	8.91	8.52	8.52	8.66	8.97	9.43	9.99	10.05	9.83	9.44	8.92	—
	26	9.80	9.28	9.01	8.83	9.32	9.52	9.70	10.24	10.25	10.07	9.57	8.97	—
	27	9.62	9.17	8.99	8.86	9.05	9.33	9.79	10.33	10.35	10.13	9.90	9.38	—
	28	10.21	9.69	9.46	9.56	9.73	9.99	10.34	10.64	10.56	10.34	9.74	9.04	—
	29	9.40	9.30	9.09	8.92	9.35	9.56	9.84	10.35	10.46	10.35	9.65	8.74	—
	30	8.99	8.68	8.32	8.36	8.63	8.87	9.38	9.68	9.82	9.51	9.02	8.40	—
	31	8.91	8.59	8.31	8.08	8.53	8.97	9.20	9.60	9.80	9.59	9.16	8.54	—
Hourly Means.		9.46	9.09	8.83	8.80	8.99	9.26	9.68	10.16	10.28	10.08	9.65	9.04	—
Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
JULY.	1	9.52	8.98	8.91	9.08	9.07	9.22	9.61	10.12	10.65	10.48	10.23	9.75	10.00
	2	8.57	7.86	7.54	7.75	8.15	8.84	9.64	9.87	10.15	10.48	10.34	10.20	9.27
	3	9.03	8.34	8.02	8.15	8.65	9.09	9.48	9.75	10.13	10.43	10.57	10.59	9.64
	4	10.34	10.18	9.98	10.27	10.74	11.51	12.02	12.04	11.70	11.01	10.66	10.21	10.72
	5	9.76	8.77	8.16	8.08	8.34	8.59	9.21	9.82	10.50	10.76	10.71	10.54	10.00
	6	8.50	7.68	7.02	6.88	7.06	7.50	7.88	8.79	9.35	9.68	9.80	9.59	9.09
	7	7.77	7.02	6.50	6.32	6.45	6.81	7.43	8.36	9.32	9.63	9.65	9.62	8.53
	8	9.28	8.59	8.25	8.13	8.58	8.83	9.15	9.83	10.24	10.33	10.14	10.03	9.53
	9	8.33	7.64	7.28	7.24	7.46	7.96	8.51	8.96	9.41	9.85	9.75	9.55	9.03
	10	7.30	6.81	6.52	6.40	6.48	7.15	7.60	8.20	8.72	8.99	9.06	8.81	8.22
	11	7.13	6.54	6.34	6.32	6.49	6.99	7.33	7.64	8.21	8.60	8.61	8.62	7.79
	12	7.52	7.16	6.64	6.61	7.01	7.30	8.20	8.89	9.29	9.29	9.20	9.7	8.24
	13	8.57	8.17	7.49	7.64	7.87	7.98	8.06	8.40	8.91	9.00	8.92	8.97	8.66
	14	7.36	6.84	6.64	6.67	6.91	7.34	7.69	8.25	8.64	8.64	8.56	8.69	8.21
	15	7.51	6.94	6.57	6.48	6.94	7.46	8.02	8.59	8.75	8.90	9.07	8.81	8.21
	16	7.73	7.09	6.91	7.06	7.14	7.49	7.88	8.73	9.19	9.72	9.48	9.40	8.39
	17	8.01	7.22	6.98	6.93	7.38	7.71	8.18	8.89	9.37	9.82	9.72	9.77	8.77
	18	8.49	7.89	7.63	7.68	7.99	8.44	8.74	9.59	10.33	10.22	10.23	10.19	9.26
	19	9.27	8.49	8.22	8.17	8.77	8.98	9.74	10.48	10.80	11.24	11.43	11.23	9.89
	20	8.83	8.36	7.91	7.96	8.23	8.67	9.11	9.76	10.22	10.37	10.17	9.97	9.75
	21	8.93	8.28	7.88	7.91	8.08	8.24	8.58	9.19	9.59	9.65	9.60	9.58	9.13
	22	8.87	8.48	7.63	7.64	7.84	8.37	8.93	9.59	10.30	10.39	10.43	10.32	9.25
	23	8.64	7.99	7.64	7.68	7.79	8.04	8.32	8.87	9.40	9.85	9.92	9.90	9.14
	24	8.70	7.73	7.33	7.32	7.54	7.74	8.14	8.63	9.24	9.68	9.98	9.77	9.09
	25	8.11	7.44	7.06	7.18	7.51	7.98	8.60	9.14	9.57	9.80	9.87	9.84	8.86
	26	8.44	7.96	7.44	7.57	7.66	8.00	8.65	9.05	9.48	9.58	9.60	9.78	9.07
	27	8.46	7.63	7.29	7.31	7.61	8.45	9.17	10.25	10.19	10.56	10.74	10.50	9.29
	28	8.39	7.62	7.20	7.12	7.49	7.66	8.23	8.89	9.30	9.58	9.80	9.63	9.18
	29	7.93	7.62	7.30	7.15	7.57	7.99	8.19	8.75	9.26	9.50	9.56	9.41	8.97
	30	7.83	7.40	7.13	7.12	7.49	8.13	8.53	8.96	9.32	9.56	9.16	9.37	8.67
	31	7.98	7.34	6.97	6.75	7.14	7.64	8.39	9.11	9.60	9.85	9.63	9.55	8.63
Hourly Means.		8.42	7.80	7.43	7.45	7.72	8.13	8.62	9.21	9.65	9.85	9.84	9.72	9.05

STANDARD THERMOMETER.

Mean Batavia Time.		1 A. M.	2	3	1	5	6	7	8	9	10	11	12	—
JULY.	1	74.7	73.6	73.1	72.4	72.0	71.5	72.0	73.6	78.6	81.0	82.6	83.6	—
	2	74.6	74.2	73.8	73.8	73.4	72.7	72.6	74.3	77.6	80.3	82.1	83.6	—
	3	74.0	73.5	73.5	73.3	73.6	73.6	73.8	74.4	75.8	78.2	81.0	82.0	—
	4	74.6	74.4	74.0	74.0	74.0	73.9	73.9	74.5	76.2	78.2	79.4	80.6	—
	5	71.9	71.4	71.2	71.0	70.7	70.6	71.0	72.0	73.5	74.9	76.0	77.4	—
	6	73.6	73.3	73.1	73.0	72.2	72.2	72.7	73.5	76.0	78.6	79.6	81.7	—
	7	74.5	74.2	73.9	73.9	73.9	73.9	73.9	76.2	78.6	79.5	81.5	83.3	—
	8	74.9	73.8	72.9	72.0	71.2	70.4	70.7	72.7	76.6	80.2	82.9	84.6	—
	9	73.3	72.1	70.9	70.1	69.3	68.4	68.8	71.3	74.3	77.1	80.4	82.2	—
	10	75.3	75.1	74.0	73.3	72.6	72.9	72.0	74.6	78.1	81.2	83.4	84.4	—
	11	76.3	75.6	74.7	74.2	74.0	73.6	73.4	75.3	78.6	81.4	83.7	85.2	—
	12	76.0	75.5	74.3	73.6	73.0	72.1	72.3	74.5	78.1	81.5	83.4	85.0	—
	13	74.8	74.0	73.4	73.2	72.9	73.1	73.3	74.7	77.6	79.7	82.7	82.9	—
	14	73.6	73.9	74.3	74.0	73.7	72.9	73.0	75.3	78.4	81.3	83.8	85.8	—
	15	77.2	76.9	76.3	74.7	74.3	74.1	74.1	76.3	80.2	83.2	84.5	85.2	—
	16	75.0	74.1	73.7	73.3	72.8	72.0	73.0	76.6	80.0	81.8	84.0	85.4	—
	17	74.4	74.0	73.5	72.8	72.0	72.0	72.0	75.5	79.6	82.6	84.5	85.6	—
	18	75.0	74.1	73.5	72.6	72.0	71.7	72.1	73.9	78.2	82.2	85.2	87.0	—
	19	75.6	75.3	74.8	74.4	74.1	73.2	73.2	76.1	80.0	82.8	85.0	86.4	—
	20	75.2	74.2	73.5	72.9	72.0	71.7	72.7	74.7	78.7	81.9	84.7	86.7	—
	21	73.4	73.1	72.6	72.6	72.0	71.2	71.3	74.4	78.1	81.2	83.6	85.7	—
	22	74.2	74.0	73.1	72.3	71.8	71.2	71.0	73.4	77.4	80.5	83.4	85.3	—
	23	74.0	73.5	73.0	72.3	71.5	71.1	71.1	72.8	76.8	80.6	84.1	86.2	—
	24	74.6	73.9	73.9	73.2	72.9	72.4	72.6	73.8	76.5	79.5	82.8	84.6	—
	25	75.5	75.2	74.7	74.2	74.3	73.4	73.2	75.9	79.9	82.3	84.7	85.5	—
	26	74.0	74.0	73.4	73.0	72.2	71.0	70.7	73.9	78.6	82.6	84.6	86.3	—
	27	75.2	74.7	73.9	73.7	73.3	72.8	72.6	75.5	79.0	81.6	83.6	85.3	—
	28	72.7	72.2	72.0	71.7	71.3	71.1	71.1	73.0	76.5	79.2	81.4	83.2	—
	29	75.0	73.5	72.3	71.9	71.7	71.1	71.1	73.2	76.6	80.1	81.5	83.3	—
	30	70.6	69.9	68.9	68.2	67.3	67.0	67.3	70.7	74.3	78.9	81.6	83.6	—
	31	71.1	70.3	70.0	69.3	68.4	68.0	68.3	70.6	76.1	80.3	82.7	83.8	—
Hourly Means.		74.35	73.79	73.23	72.74	72.27	71.80	71.96	74.10	77.56	80.46	82.72	84.24	—

Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
JULY.	1	85.1	85.5	84.4	83.0	82.0	80.9	79.9	79.0	77.6	76.9	76.0	75.2	78.09
	2	83.9	84.7	82.0	81.6	77.0	77.2	76.3	76.2	75.8	75.2	75.1	74.6	77.19
	3	82.5	84.5	83.2	81.7	80.6	79.7	78.7	78.2	77.1	76.2	75.4	75.6	77.50
	4	80.8	79.2	76.2	74.0	73.0	72.0	71.7	71.5	71.1	71.0	71.3	71.7	74.63
	5	78.5	80.3	81.3	81.5	79.4	78.7	77.8	77.4	76.0	73.5	73.5	73.6	75.13
	6	82.8	83.0	82.3	81.9	81.1	79.7	78.3	77.3	77.1	76.2	75.6	75.0	77.08
	7	84.8	83.4	83.1	82.6	81.6	80.0	78.5	78.0	77.7	77.0	76.7	76.3	78.21
	8	85.2	83.5	82.5	81.8	80.7	79.6	78.6	77.4	77.0	76.5	75.5	74.0	77.30
	9	82.3	81.9	82.1	81.6	81.4	79.8	78.0	75.7	75.0	75.0	75.0	75.2	75.88
	10	85.0	83.9	82.9	82.0	81.2	80.4	78.8	78.2	77.2	77.0	77.0	76.7	78.18
	11	86.0	85.1	84.0	83.3	82.1	81.1	79.7	78.4	77.0	76.2	76.1	76.2	78.80
	12	85.8	85.5	85.3	83.7	83.0	81.4	80.0	79.4	78.2	77.0	76.5	75.2	78.76
	13	81.3	81.5	83.2	81.5	81.1	80.0	78.4	76.7	75.8	75.0	74.2	73.5	77.27
	14	86.5	85.3	85.0	84.3	83.4	81.3	80.4	79.5	78.6	78.3	77.7	77.6	79.08
	15	86.8	86.1	85.6	85.1	83.8	82.0	80.5	79.0	77.5	77.2	76.2	75.5	79.68
	16	86.4	85.1	84.3	81.7	83.3	81.3	79.3	78.1	77.0	76.0	75.4	74.7	78.64
	17	86.7	87.5	87.2	85.8	84.4	82.2	80.2	78.6	77.5	76.4	75.3	75.0	78.97
	18	87.5	87.5	87.2	86.1	83.5	81.3	80.0	78.3	77.5	77.5	76.7	76.3	79.04
	19	87.9	88.1	86.1	85.0	81.1	82.1	80.5	79.4	78.0	77.0	76.4	75.7	79.63
	20	87.4	85.0	85.0	83.8	83.3	82.0	80.2	78.9	77.4	76.2	75.4	74.2	78.65
	21	85.9	85.7	85.4	84.3	82.7	81.2	80.1	78.3	77.1	76.0	75.3	74.2	78.14
	22	85.6	84.5	83.7	82.8	82.2	81.2	79.8	78.1	76.4	76.0	75.7	74.6	77.84
	23	87.4	86.5	85.4	85.0	83.6	82.3	80.6	79.4	77.5	76.5	76.0	75.0	78.43
	24	82.7	84.8	84.3	83.5	82.5	81.1	79.8	78.6	77.9	76.6	75.6	75.0	78.05
	25	86.8	87.0	86.3	84.9	83.2	81.6	79.6	78.2	77.0	75.3	75.2	74.7	79.11
	26	85.6	85.1	81.3	83.3	82.3	81.3	80.1	79.1	77.7	77.1	76.4	75.6	78.43
	27	86.2	84.7	84.4	83.5	82.3	81.3	80.2	72.9	73.5	73.2	73.0	72.7	77.88
	28	84.7	84.6	83.7	81.6	81.0	80.0	79.3	78.5	77.7	77.5	76.4	75.4	77.33
	29	84.4	83.5	84.0	83.3	81.8	80.3	78.6	76.5	74.6	73.6	72.6	71.6	76.92
	30	82.8	83.0	82.2	81.9	81.0	79.8	78.4	76.5	74.6	73.1	72.5	72.0	75.25
	31	83.5	83.6	83.8	83.0	82.0	80.6	79.4	78.4	77.3	77.0	76.3	75.4	76.63
Hourly Means.		84.80	84.50	83.88	82.97	81.76	80.43	79.09	77.73	76.69	75.91	75.35	74.77	77.80

RELATIVE HUMIDITY OF THE AIR.

SATURATION = 1000.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
J U L Y.	1	871	895	903	929	937	936	875	845	733	677	683	601	—
	2	854	878	887	878	886	902	893	870	821	745	668	700	—
	3	938	947	947	946	947	956	956	956	931	853	805	750	—
	4	913	921	921	930	930	930	930	930	906	853	779	716	—
	5	909	935	945	935	954	954	954	936	929	905	899	836	—
	6	938	946	946	937	946	955	982	956	915	831	802	721	—
	7	939	947	956	947	947	947	947	890	838	802	727	659	—
	8	888	921	920	928	927	944	935	919	747	576	502	483	—
	9	903	902	900	898	888	869	860	865	764	638	544	522	—
	10	880	855	896	903	894	901	901	846	768	635	574	549	—
	11	874	889	897	913	921	895	836	799	725	643	589	584	—
	12	841	872	896	887	886	902	893	854	746	637	607	582	—
	13	897	904	903	886	886	894	886	854	836	780	641	649	—
	14	903	903	904	904	912	911	902	855	783	650	601	561	—
	15	852	859	874	888	888	887	833	647	607	599	599	602	—
	16	897	921	930	920	937	936	920	842	781	680	662	609	—
	17	862	861	886	894	909	901	901	799	692	670	636	604	—
	18	880	887	895	910	910	918	910	837	769	595	487	452	—
	19	881	889	897	913	912	903	911	817	722	603	502	487	—
	20	847	845	861	868	901	857	808	757	661	580	514	484	—
	21	886	894	902	894	902	909	883	805	753	664	621	497	—
	22	870	870	860	858	866	882	865	818	743	662	594	589	—
	23	896	895	903	910	909	918	909	885	803	709	589	509	—
	24	879	896	896	911	911	919	919	878	866	757	684	605	—
	25	889	889	913	930	921	929	911	882	787	721	663	628	—
	26	904	896	903	920	937	963	935	861	717	641	600	576	—
	27	914	913	930	929	938	929	946	808	816	620	621	620	—
	28	955	955	964	964	964	963	963	920	818	765	728	691	—
	29	871	852	850	849	840	847	856	818	763	597	604	586	—
	30	908	916	924	923	920	910	907	935	779	599	520	472	—
	31	909	945	944	953	952	896	887	864	738	651	608	557	—
Hourly Means.		892	900	908	911	915	915	905	864	784	689	634	596	—
Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
J U L Y.	1	576	555	649	676	715	733	766	793	820	834	849	864	780
	2	680	670	771	821	858	883	915	899	898	914	931	930	840
	3	745	689	691	741	811	840	878	885	892	899	914	905	868
	4	739	785	873	904	920	919	936	945	935	945	918	909	891
	5	800	788	776	770	832	862	901	884	873	921	947	947	891
	6	691	690	701	714	740	802	846	875	892	899	906	914	856
	7	533	692	651	576	657	743	777	761	775	804	842	850	800
	8	481	567	620	644	696	728	784	828	843	833	848	895	769
	9	561	571	553	569	622	677	767	824	847	855	855	864	755
	10	552	608	629	645	668	715	747	791	827	827	851	858	763
	11	551	587	608	624	680	683	735	783	819	833	833	841	756
	12	556	604	609	679	704	762	803	801	791	787	817	880	767
	13	697	691	657	670	676	707	777	827	841	863	887	895	800
	14	540	620	619	622	664	719	753	772	793	807	813	829	764
	15	555	581	609	626	673	742	760	801	836	835	865	881	758
	16	601	614	662	624	645	719	801	814	819	849	848	863	787
	17	591	588	586	598	616	729	788	815	852	874	898	897	769
	18	539	539	549	593	664	726	773	807	828	836	858	865	753
	19	462	479	605	600	590	620	701	741	775	795	825	848	728
	20	493	582	558	596	651	666	715	748	797	825	848	870	722
	21	588	587	591	622	669	712	759	792	804	849	856	887	764
	22	601	636	678	690	694	690	735	791	833	849	856	879	767
	23	521	570	614	645	692	709	760	809	844	858	857	888	775
	24	642	657	701	705	744	776	795	815	836	874	906	914	812
	25	602	633	669	703	697	741	772	799	843	872	880	888	798
	26	641	627	676	705	722	762	796	839	868	875	891	905	798
	27	617	683	695	733	772	776	856	964	965	965	955	955	830
	28	615	684	715	749	748	803	863	862	860	867	882	914	843
	29	549	530	520	592	625	658	703	771	830	837	860	884	737
	30	578	554	588	619	668	743	732	810	854	877	876	884	771
	31	607	619	627	684	639	682	742	792	819	843	857	872	779
Hourly Means.		598	622	647	669	702	743	788	821	842	858	872	886	790

DIRECTION OF THE WIND.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12
JULY.	1	C	C	C	C	NNE	NNE	C	NNE	NNE	NNE	NNE	NNE
	2	NE	C	NE	C	C	C	C	NE	NE	NE	NE	NE
	3	C	C	C	C	C	C	C	C	E	E	E	E
	4	C	C	C	C	C	C	C	C	E	ENE	ENE	ENE
	5	C	C	WSW	WSW	C	C	WSW	WSW	WSW	WSW	C	WSW
	6	ENE	ENE	C	C	ENE	C	C	C	ENE	ENE	ENE	ENE
	7	C	C	C	C	C	C	E	E	E	E	E	E
	8	C	C	C	C	C	C	C	C	NNE	NE	ESE	ESE
	9	C	C	C	C	C	C	NNE	NNE	NNE	NNE	NNE	NNE
	10	C	C	C	N	N	C	C	N	N	N	E	E
	11	C	NE	NE	NE	C	C	NE	C	NE	NE	ESE	E
	12	C	C	C	C	C	C	C	C	NNE	E	E	E
	13	C	C	C	C	C	C	C	C	C	NNE	NNE	NNE
	14	C	C	N	N	C	C	C	C	C	N	NE	ENE
	15	C	C	C	C	C	C	C	NE	ENE	ESE	ESE	E
	16	C	C	C	C	C	C	C	ENE	ESE	E	E	E
	17	ENE	ENE	C	C	C	C	C	ENE	ESE	ESE	ESE	E
	18	C	C	C	C	C	C	C	C	ESE	ESE	E	E
	19	C	C	C	C	C	C	NE	NE	E	ESE	E	E
	20	C	C	C	C	C	NE	ESE	ESE	ESE	ESE	E	ESE
	21	C	C	C	C	C	C	C	C	C	NNE	NNE	NE
	22	C	C	C	C	C	C	C	C	C	C	NNE	NNE
	23	C	C	C	C	C	C	C	C	N	NNE	ESE	ESE
	24	C	C	C	C	C	C	C	C	NE	NE	NE	NE
	25	NE	NE	NE	C	C	C	C	NE	ESE	ESE	E	E
	26	C	C	ENE	C	C	C	C	C	ENE	ESE	E	E
	27	C	C	C	C	C	C	C	NE	NE	ENE	ENE	NE
	28	C	WNW	C	C	C	C	C	WNW	W	W	W	W
	29	NNE	NNE	NNE	NNE	NNE	C	C	NNE	NNE	SSE	SE	ESE
	30	C	C	C	NE	C	C	C	C	NE	NE	E	ESE
	31	C	C	C	C	C	C	C	C	NE	ENE	E	ESE

Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12
JULY.	1	NNE	NE	NE	NE	NE	NE	NE	C	NE	C	C	NE
	2	NNE	NNE	NNE	NNE	C	C	C	C	C	C	C	C
	3	ENE	ENE	ENE	ENE	ENE	C	C	C	C	C	C	C
	4	ENE	NNE	NW	WNW	WNW	C	C	WNW	WNW	WSW	WSW	WSW
	5	WSW	WSW	WSW	WSW	NNW	C	C	N	N	ENE	ENE	ENE
	6	ENE	NE	NNE	NNE	NNE	C	C	C	NNE	NNE	E	C
	7	E	NNE	NNE	NNE	NNE	NNE	NNE	NNE	C	C	NNE	C
	8	E	NNE	NNE	NNE	NNE	C	C	C	C	C	C	NNE
	9	NNE	N	N	N	N	C	C	C	C	C	C	C
	10	ENE	NNE	NNE	NNE	NE	NE	NE	C	C	C	C	C
	11	E	NE	NNW	NNE	NNE	NNE	C	C	C	C	C	C
	12	ESE	N	NE	NNE	NNE	NNE	C	C	C	C	C	C
	13	N	N	N	N	N	C	C	C	C	C	C	C
	14	E	N	NNE	NNE	NE	NE	NE	NE	C	C	C	C
	15	E	NNE	NE	NE	NE	NE	NE	C	C	C	NE	C
	16	E	E	E	ENE	ENE	ENE	ENE	ENE	C	C	ENE	ENE
	17	E	ENE	ENE	ENE	ENE	E	E	E	C	C	C	C
	18	ENE	ENE	ENE	ENE	NE	NE	NE	NE	C	C	C	C
	19	E	NE	NNE	NE	NE	NE	NE	NE	NE	C	C	NE
	20	ENE	N	NNE	NNE	NNE	NNE	C	C	C	C	C	C
	21	NNE	N	N	N	N	C	C	C	C	C	C	C
	22	NNE	NNE	NNE	NNE	N	N	C	C	C	C	C	C
	23	ENE	N	N	NNE	NE	NE	NE	C	C	C	C	C
	24	NE	NNE	NNE	NNE	NE	NE	NE	NE	C	C	C	C
	25	E	E	NE	NE	ENE	ENE	ENE	C	C	C	ENE	C
	26	NE	NNE	NNE	NNE	NE	NE	NE	C	C	C	C	C
	27	NE	NE	NE	NE	NE	NNE	E	WNW	WNW	WNW	WNW	WNW
	28	WNW	N	N	NNE	NNE	NNE	NNE	NNE	C	C	C	C
	29	ESE	NE	NE	NE	NE	NE	NE	C	C	C	C	C
	30	NNE	NNE	NNE	NNE	NE	NE	NE	C	C	C	C	NNE
	31	E	NNE	NNE	NNE	NNE	NNE	NNE	NNE	C	C	NNE	C

VELOCITY OF THE WIND IN KILOMETERS PER HOUR.

Mean Batavia Time.		1 A.M.	2	3	4	5	6	7	8	9	10	11	12	—
JULY.	1	0.0	0.0	0.0	0.0	0.8	0.8	0.0	1.6	2.4	4.0	4.8	4.0	—
	2	0.8	0.0	0.8	0.0	0.0	0.0	0.0	0.8	1.6	1.6	3.2	6.4	—
	3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	2.4	6.4	8.0	—
	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	2.4	—
	5	0.0	0.0	0.8	0.8	0.0	0.0	0.8	1.6	1.6	0.8	0.0	1.6	—
	6	0.8	0.8	0.0	0.0	1.6	0.0	0.0	0.0	0.8	1.6	1.6	2.4	—
	7	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	1.6	2.4	3.2	—
	8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	8.0	9.7	8.9	—
	9	0.0	0.0	0.0	0.0	0.0	0.0	2.4	2.4	2.4	3.2	4.0	5.6	—
	10	0.0	0.0	0.0	0.8	0.8	0.0	0.0	0.8	4.8	6.4	8.9	8.0	—
	11	0.0	2.4	2.4	0.8	0.0	0.0	1.6	0.0	1.6	4.8	6.4	8.0	—
	12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	8.0	6.4	6.4	—
	13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	6.4	8.0	—
	14	0.0	0.0	1.6	1.6	0.0	0.0	0.0	0.0	0.0	2.4	5.6	8.0	—
	15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	8.0	9.7	8.0	7.2	—
	16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	8.9	11.3	13.7	—
	17	2.4	0.8	0.0	0.0	0.0	0.0	0.0	2.4	12.9	18.5	16.1	16.1	—
	18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.3	17.7	20.1	16.9	—
	19	0.0	0.0	0.0	0.0	0.0	0.0	0.8	2.4	7.2	14.5	13.7	10.5	—
	20	0.0	0.0	0.0	0.0	0.0	3.2	4.0	2.4	3.2	3.2	8.9	9.7	—
	21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	2.4	—
	22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	4.0	—
	23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	6.4	10.5	11.3	—
	24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	2.4	8.9	—
	25	0.8	1.6	1.6	0.0	0.0	0.0	0.0	3.2	11.3	12.9	12.1	12.1	—
	26	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.0	3.2	11.3	11.3	12.1	—
	27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	4.0	4.0	5.6	7.2	—
	28	0.0	0.8	0.0	0.0	0.0	0.0	0.0	2.4	2.4	1.6	1.6	2.4	—
	29	0.8	0.8	1.6	3.2	2.4	0.0	0.0	1.6	4.8	8.0	5.6	4.8	—
	30	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.8	3.2	8.0	7.2	—
	31	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	6.4	5.6	4.0	—
Hourly Means.		0.18	0.23	0.31	0.26	0.18	0.13	0.34	0.88	3.39	5.73	6.87	7.52	—
Mean Batavia Time.		1 P.M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
JULY.	1	4.8	8.9	9.7	10.5	6.4	2.4	0.8	0.0	1.6	0.0	0.0	0.8	2.68
	2	9.7	9.7	1.6	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.68
	3	13.7	14.5	14.5	12.1	4.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.22
	4	4.8	8.0	5.6	4.0	2.4	0.0	0.0	4.8	4.8	6.4	3.2	0.8	2.10
	5	1.6	1.6	0.8	4.0	3.2	0.0	0.0	3.2	4.0	1.6	0.8	1.6	1.27
	6	5.6	10.5	8.9	6.4	2.4	0.0	0.0	0.0	0.8	1.6	4.8	0.0	2.11
	7	6.4	13.7	13.7	12.9	5.6	1.6	2.4	1.6	0.0	0.0	0.8	0.0	2.85
	8	8.0	11.3	12.1	12.1	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	3.22
	9	8.9	8.0	6.4	6.4	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.17
	10	8.0	12.1	11.3	12.1	4.8	2.4	0.8	0.0	0.0	0.0	0.0	0.0	3.42
	11	6.4	11.3	10.5	8.9	7.2	1.6	0.0	0.0	0.0	0.0	0.0	0.0	3.08
	12	6.4	9.7	12.1	12.1	8.0	0.8	0.0	0.0	0.0	0.0	0.0	0.0	3.01
	13	6.4	4.0	5.6	7.2	4.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.80
	14	8.0	12.1	12.1	10.5	9.7	5.6	3.2	0.8	0.0	0.0	0.0	0.0	3.38
	15	8.0	11.3	13.7	12.9	10.5	4.0	1.6	0.0	0.0	0.0	0.8	0.0	4.02
	16	12.1	10.5	15.3	17.7	12.1	8.9	4.8	0.8	0.0	0.0	0.8	1.6	5.71
	17	16.1	17.7	18.5	17.7	16.1	9.7	5.6	2.4	0.0	0.0	0.0	0.0	7.21
	18	14.5	13.7	12.1	11.3	12.1	5.6	2.4	0.8	0.0	0.0	0.0	0.0	5.77
	19	6.4	8.0	13.7	12.1	8.0	7.2	5.6	3.2	0.8	0.0	0.0	0.8	4.79
	20	8.9	8.9	9.7	9.7	4.8	1.6	0.0	0.0	0.0	0.0	0.0	0.0	3.26
	21	4.8	5.6	4.8	5.6	4.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.23
	22	9.7	12.1	12.1	10.5	8.0	2.4	0.0	0.0	0.0	0.0	0.0	0.0	2.52
	23	13.7	8.9	12.9	14.5	12.9	4.8	2.4	0.0	0.0	0.0	0.0	0.0	4.16
	24	11.3	11.3	16.1	13.7	10.5	6.4	3.2	1.6	0.0	0.0	0.0	0.0	3.63
	25	10.5	12.1	17.7	20.9	17.7	8.0	3.2	0.0	0.0	0.0	0.8	0.0	6.10
	26	12.9	14.5	16.1	14.5	11.3	3.2	2.4	0.0	0.0	0.0	0.0	0.0	4.73
	27	12.1	14.5	14.5	14.5	11.3	4.0	12.1	4.8	0.8	3.2	0.8	0.8	4.79
	28	2.4	11.3	12.9	12.9	10.5	4.0	1.6	0.8	0.0	0.0	0.0	0.0	2.82
	29	6.4	11.3	12.1	12.9	12.9	10.5	5.6	0.0	0.0	0.0	0.0	0.0	4.39
	30	11.3	15.3	15.3	11.3	7.2	4.8	2.1	0.0	0.0	0.0	0.0	0.8	3.68
	31	7.2	13.7	11.3	10.5	9.7	4.8	1.0	0.8	0.0	0.0	1.6	0.0	3.45
Hourly Means.		8.61	10.84	11.41	11.17	7.94	3.36	2.07	0.83	0.41	0.41	0.46	0.26	3.49

CLOUDS.

CLEAR = 0. — OVERCAST = 10.

Mean Batavia Time.		1 A.M.	2	3	4	5	6	7	8	9	10	11	12	—
JULY.	1	6	7	4	6	7	4	3	3	5	7	7	6	—
	2	7	7	8	4	3	4	2	1	4	2	6	2	—
	3	4	7	9	9	10	10	10	10	10	9	9	10	—
	4	6	8	7	10	10	10	10	10	9	9	10	10	—
	5	5	7	9	5	5	3	4	9	9	9	9	7	—
	6	9	6	6	10	10	10	7	5	5	6	7	7	—
	7	10	10	8	9	8	7	4	2	1	6	9	2	—
	8	1	2	1	1	1	2	2	3	3	3	2	2	—
	9	0	0	0	1	1	2	1	1	0	0	0	1	—
	10	8	6	6	3	5	3	3	2	2	3	3	3	—
	11	8	7	9	6	5	8	2	1	0	3	7	6	—
	12	10	4	1	0	0	2	1	1	0	0	0	0	—
	13	2	2	3	7	10	9	10	10	9	9	6	7	—
	14	10	10	9	9	3	2	1	1	1	4	7	4	—
	15	8	7	7	4	6	3	2	1	1	3	4	4	—
	16	4	2	4	6	2	5	2	3	6	6	4	5	—
	17	1	1	0	0	1	0	0	0	1	0	2	8	—
	18	3	2	0	1	0	3	5	9	3	0	0	0	—
	19	2	3	1	2	0	3	0	1	0	1	1	1	—
	20	4	6	3	2	2	4	3	0	0	1	1	4	—
	21	1	1	2	1	2	4	3	2	0	0	2	6	—
	22	4	2	2	1	0	2	1	1	0	0	1	0	—
	23	0	1	3	1	1	1	7	5	1	1	0	2	—
	24	0	0	1	0	0	4	2	3	6	6	3	7	—
	25	3	2	5	3	3	0	3	2	2	7	5	7	—
	26	2	1	2	1	2	1	0	0	2	4	6	7	—
	27	4	2	2	1	2	3	1	0	1	1	0	0	—
	28	7	5	9	3	2	4	3	4	3	2	3	4	—
	29	2	0	0	0	1	6	1	2	0	2	6	4	—
	30	2	2	3	1	2	0	0	0	0	0	0	1	—
	31	1	1	2	2	1	1	0	0	1	1	5	7	—
Hourly Means.		4.3	3.9	4.1	3.5	3.4	3.9	3.0	3.1	2.7	3.3	4.0	4.3	—
Mean Batavia Time.		1 P.M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
JULY.	1	7	9	9	10	10	9	8	7	7	9	3	5	6.6
	2	3	2	7	6	8	9	8	9	9	10	9	7	5.7
	3	8	9	9	9	10	9	8	8	9	9	7	6	8.7
	4	10	10	10	10	10	10	10	10	10	8	6	6	9.1
	5	7	4	6	6	8	7	10	10	10	10	10	10	7.5
	6	6	5	5	4	3	2	2	8	4	9	10	10	6.5
	7	8	8	6	4	7	8	6	9	10	10	9	7	7.0
	8	1	6	1	2	4	4	6	8	5	2	2	1	2.7
	9	0	0	0	0	0	1	2	0	6	6	6	6	1.4
	10	4	5	3	2	2	3	2	8	8	9	10	7	4.6
	11	5	4	3	2	2	1	2	1	8	9	10	10	5.0
	12	3	5	0	0	2	2	7	9	5	9	6	4	3.0
	13	8	9	3	6	4	2	3	2	2	1	4	1	5.4
	14	3	2	1	1	1	6	5	6	6	8	7	4	4.8
	15	4	6	6	2	1	1	2	1	1	1	1	2	3.1
	16	6	8	8	6	3	1	0	1	1	1	2	2	3.7
	17	6	8	2	0	3	5	0	0	0	0	0	1	1.6
	18	0	1	0	0	0	0	2	2	6	9	9	7	2.6
	19	2	2	4	7	8	10	9	8	7	6	7	6	3.8
	20	7	3	2	4	2	2	1	2	1	1	1	1	2.4
	21	3	5	2	1	1	2	0	1	1	2	1	2	1.9
	22	2	0	0	3	2	2	0	0	0	1	1	0	1.0
	23	6	1	9	4	5	1	3	3	2	2	2	1	2.6
	24	5	3	3	4	2	2	3	1	0	1	6	6	2.8
	25	7	6	6	5	1	0	1	1	1	0	1	1	3.0
	26	6	4	3	2	1	1	2	1	3	2	2	3	2.4
	27	6	2	0	0	3	7	10	10	10	10	9	8	3.8
	28	0	1	1	1	0	0	6	8	8	9	7	7	4.0
	29	5	3	2	2	3	4	2	1	2	1	1	1	2.1
	30	2	1	2	2	3	3	4	3	2	2	1	2	1.6
	31	7	3	2	1	1	1	6	6	8	6	1	0	2.7
Hourly Means.		4.7	4.4	3.7	3.4	3.5	3.7	4.2	4.6	4.9	5.3	4.9	4.3	3.96

BAROMETRIC PRESSURE.

BAROMETER AT 0°C = 750 MILLIMETRES + THE NUMBERS IN THE TABLE.

Mean Batavia Time.	1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—	
AUGUST.	1	9.34	9.12	8.92	9.00	9.11	9.57	10.06	10.56	10.92	10.46	9.97	9.27	—
	2	9.90	9.77	9.48	9.34	9.40	9.78	10.30	10.89	11.34	10.90	10.68	9.93	—
	3	9.87	9.54	9.27	9.15	9.55	9.71	10.10	10.51	10.66	10.44	10.03	9.46	—
	4	8.76	8.31	7.74	7.97	8.02	8.10	8.87	9.45	9.76	9.50	8.96	8.19	—
	5	8.16	7.64	7.42	7.37	7.50	7.80	7.88	8.23	8.51	8.32	8.00	7.39	—
	6	7.64	7.39	7.12	7.16	7.40	7.93	8.51	9.00	9.38	9.43	8.88	8.42	—
	7	8.85	8.57	8.32	8.28	8.48	8.81	9.43	10.09	10.09	9.70	9.44	8.80	—
	8	9.10	8.64	8.26	7.89	7.81	8.07	8.60	8.98	9.27	9.10	8.79	8.10	—
	9	8.69	8.35	8.12	7.92	8.13	8.30	8.96	9.22	9.34	8.98	8.50	7.82	—
	10	8.71	8.29	8.06	8.16	8.68	9.15	9.61	9.90	10.05	9.83	9.41	8.91	—
	11	9.98	9.90	9.62	9.44	9.32	9.84	10.51	10.80	10.93	10.80	10.36	9.81	—
	12	9.94	9.65	9.63	9.65	9.80	10.09	10.63	11.18	11.39	11.23	10.68	10.23	—
	13	9.25	8.94	8.61	8.74	8.79	9.00	9.40	9.84	10.03	9.79	9.07	8.38	—
	14	8.38	7.94	7.86	7.85	7.87	8.34	8.81	9.26	9.45	9.28	8.69	8.24	—
	15	9.15	8.82	8.25	8.40	8.82	9.00	9.48	9.94	10.31	10.07	9.50	8.82	—
	16	9.50	9.15	8.93	9.07	9.36	9.69	10.24	10.89	10.89	10.58	9.95	9.23	—
	17	9.92	9.21	9.02	8.91	8.93	9.20	9.91	10.29	10.36	10.17	9.63	8.84	—
	18	9.55	9.38	8.92	8.81	8.98	9.36	9.77	10.09	10.21	9.98	9.54	8.57	—
	19	8.82	8.61	8.37	8.16	8.47	8.95	9.66	10.13	10.20	10.08	9.52	8.59	—
	20	8.89	8.60	8.54	8.55	8.71	9.02	9.21	9.36	9.52	9.15	8.58	7.94	—
	21	9.17	8.84	8.55	8.43	8.71	8.82	9.38	9.90	10.28	10.19	9.85	9.30	—
	22	10.15	9.58	9.41	9.16	9.22	9.81	10.34	10.84	11.16	11.13	10.82	10.29	—
	23	10.45	10.10	9.86	9.89	9.88	10.18	10.78	11.11	11.59	11.48	10.91	10.23	—
	24	10.70	10.43	10.09	10.05	10.34	10.56	10.93	11.31	11.78	11.63	11.11	10.33	—
	25	10.15	9.78	9.51	9.44	9.55	9.86	9.94	10.31	10.47	10.13	9.51	8.93	—
	26	10.43	10.19	9.97	9.75	9.93	10.29	10.81	11.19	11.53	11.57	11.04	10.33	—
	27	10.47	10.19	9.92	9.95	10.49	10.85	11.44	11.84	12.17	11.90	11.36	10.73	—
	28	10.28	10.09	10.02	10.05	10.46	10.99	11.55	11.88	11.83	11.72	11.19	10.41	—
	29	11.45	11.07	11.02	11.24	11.40	11.78	12.45	12.78	12.75	12.65	12.07	11.41	—
	30	11.48	11.08	10.90	11.01	11.24	11.40	11.71	11.92	11.89	11.54	11.07	10.52	—
	31	10.69	10.39	10.03	9.98	10.18	10.56	11.09	11.39	11.49	11.12	10.47	9.62	—
Hourly Means.		9.61	9.28	9.02	8.99	9.18	9.51	10.01	10.42	10.63	10.41	9.92	9.26	—
Mean Batavia Time.	1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.	
AUGUST.	1	8.45	7.81	7.39	7.31	7.64	8.24	9.03	9.65	10.19	10.18	10.14	9.88	9.26
	2	9.42	8.62	8.32	8.07	8.32	8.57	9.13	9.50	10.03	10.35	10.33	10.09	9.69
	3	8.63	7.78	7.11	6.76	6.63	7.09	7.58	8.38	8.89	9.18	9.43	9.25	8.96
	4	7.28	6.53	6.14	6.01	6.46	6.80	7.50	8.14	8.70	8.90	8.84	8.74	8.07
	5	6.62	6.09	5.57	5.39	5.70	6.34	6.78	7.56	7.80	8.08	8.30	8.06	7.35
	6	7.81	7.04	6.78	6.46	6.68	6.99	7.44	8.24	8.79	9.25	9.38	9.11	8.01
	7	8.39	7.63	7.42	7.38	7.27	7.55	8.08	8.45	9.10	9.57	9.70	9.25	8.69
	8	7.48	6.81	6.42	6.24	6.37	6.77	7.52	8.03	8.64	9.08	9.39	9.29	8.11
	9	7.03	6.41	6.26	6.31	6.43	7.11	8.03	8.64	9.12	9.17	9.22	9.14	8.13
	10	8.47	7.59	7.43	7.43	7.73	8.16	8.59	9.41	9.94	10.62	10.45	10.25	8.95
	11	9.07	8.66	8.39	8.29	8.53	8.64	9.03	9.58	10.17	10.54	10.35	10.23	9.70
	12	9.37	8.58	8.50	8.29	8.37	8.55	8.73	9.39	9.68	9.85	9.99	9.87	9.72
	13	7.78	6.97	6.76	6.91	7.09	7.34	7.78	8.19	8.61	8.74	8.80	8.73	8.48
	14	7.42	7.08	6.73	6.82	7.07	7.55	8.57	8.96	9.19	9.37	9.57	9.47	8.32
	15	8.19	73.7	7.29	7.29	7.39	7.87	8.68	9.46	9.77	10.02	10.07	9.97	8.91
	16	8.39	7.72	7.33	7.24	7.39	8.16	8.73	9.51	9.87	10.17	10.15	10.03	9.26
	17	8.28	7.47	7.02	7.07	7.58	8.39	9.13	9.92	10.33	10.29	10.09	9.94	9.16
	18	7.73	7.01	6.58	6.47	7.04	7.54	7.89	8.59	8.94	9.38	9.59	9.42	8.72
	19	7.91	7.11	6.49	6.49	6.51	7.00	7.85	8.73	9.05	9.44	9.48	9.19	8.53
	20	7.41	6.64	6.39	6.48	6.58	6.88	7.62	8.23	8.76	9.30	9.70	9.59	8.32
	21	8.24	7.69	7.53	7.50	7.73	8.18	8.78	9.33	9.95	10.37	10.54	10.45	9.07
	22	9.59	8.97	8.43	8.42	8.70	8.88	9.26	9.62	10.02	10.44	10.48	10.55	9.80
	23	9.68	9.08	8.53	8.44	8.73	9.27	9.88	10.44	10.85	11.37	11.40	11.23	10.22
	24	9.88	9.13	8.33	8.28	8.47	8.99	9.71	10.47	10.93	11.18	11.17	10.65	10.27
	25	8.63	8.17	7.58	7.36	7.89	8.13	8.93	9.56	9.96	10.57	10.99	10.92	9.43
	26	9.39	8.59	7.78	8.18	8.51	8.94	9.91	10.48	10.97	11.40	11.29	10.88	10.14
	27	10.07	9.02	8.69	8.48	8.69	9.37	9.99	10.48	10.91	11.17	10.95	10.59	10.41
	28	9.91	9.60	9.32	9.35	9.71	9.96	10.57	11.34	11.59	11.87	11.98	11.88	10.73
	29	10.43	9.91	9.02	9.21	10.53	10.23	11.20	11.68	11.95	12.09	12.20	11.90	11.35
	30	9.87	9.23	8.66	8.51	8.52	8.90	9.51	10.01	10.50	10.72	11.09	10.84	10.51
	31	8.86	8.26	7.82	7.59	7.99	8.72	9.49	10.17	10.65	10.88	10.97	10.85	9.97
Hourly Means.		8.57	7.89	7.48	7.42	7.69	8.10	8.74	9.36	9.80	10.11	10.19	10.01	9.23

STANDARD THERMOMETER.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
AUGUST.	1	74.4	73.5	73.0	72.4	71.6	71.0	70.6	73.1	77.5	81.4	83.6	85.1	—
	2	75.7	76.0	75.3	74.7	74.0	73.4	73.2	75.5	78.6	80.7	82.0	82.5	—
	3	75.7	74.8	74.0	73.7	74.0	73.5	73.3	75.3	78.1	81.2	83.2	84.8	—
	4	76.0	74.8	73.8	73.3	72.7	72.2	72.6	74.0	75.7	79.7	81.9	83.8	—
	5	75.2	74.4	73.7	73.2	72.6	71.6	71.4	73.5	77.7	80.2	82.8	84.6	—
	6	76.0	75.3	74.2	73.3	73.0	72.7	72.6	74.5	79.4	81.6	84.0	85.6	—
	7	76.3	75.5	74.1	73.5	73.1	72.8	72.8	75.6	79.3	82.3	85.0	86.5	—
	8	75.3	74.8	74.2	74.2	73.9	73.2	73.6	76.1	79.5	82.9	84.9	86.6	—
	9	74.7	74.3	73.6	73.3	72.7	72.2	72.6	76.8	80.4	83.2	85.6	87.4	—
	10	74.7	74.2	73.6	73.0	72.2	71.6	72.3	75.2	79.6	82.7	84.8	84.0	—
	11	76.0	76.4	76.0	75.3	75.1	74.1	74.6	77.5	80.4	82.5	84.2	86.4	—
	12	76.7	76.0	74.7	73.0	72.8	72.9	73.1	74.0	76.0	79.0	80.2	81.1	—
	13	75.1	74.9	74.7	74.0	74.0	73.3	73.3	74.0	76.8	79.6	82.6	84.4	—
	14	77.1	76.3	75.5	75.0	74.8	73.6	73.4	75.2	79.6	82.2	84.5	85.9	—
	15	73.9	73.9	73.4	72.9	72.0	72.4	72.7	76.1	79.5	81.9	84.0	85.4	—
	16	73.5	73.3	72.5	71.8	71.1	70.7	70.6	74.2	79.5	82.8	85.5	86.5	—
	17	74.5	73.7	73.3	73.0	72.5	72.3	72.8	75.8	79.5	82.6	86.0	87.4	—
	18	73.3	72.8	72.3	72.0	71.6	71.1	71.7	74.6	79.0	82.6	84.6	87.1	—
	19	73.7	73.2	72.8	72.3	72.0	71.5	71.9	74.8	78.5	81.3	84.2	85.4	—
	20	74.7	74.2	73.9	73.4	73.6	73.6	74.8	76.4	78.9	82.1	84.6	85.3	—
	21	74.3	74.3	74.0	73.8	73.6	73.2	73.6	75.1	77.6	80.4	81.6	81.7	—
	22	74.3	74.0	73.8	73.7	73.9	73.9	74.2	75.0	76.3	79.5	81.6	82.9	—
	23	75.5	75.5	74.7	74.1	74.1	74.3	74.8	76.9	80.8	83.3	85.3	86.5	—
	24	75.1	75.3	74.5	74.0	73.4	72.8	73.2	76.0	79.0	81.8	84.4	86.8	—
	25	75.0	74.2	73.8	73.2	72.7	72.5	73.2	76.2	80.2	83.1	85.5	87.5	—
	26	76.4	76.2	75.6	75.0	74.8	74.4	74.5	77.6	81.0	83.0	82.2	80.7	—
	27	75.2	75.0	74.5	73.6	73.2	73.2	74.3	77.7	80.4	82.6	85.0	83.7	—
	28	75.4	74.7	74.2	73.4	73.5	73.0	73.5	77.0	80.8	83.0	85.3	87.2	—
	29	75.5	75.0	74.6	74.6	74.0	73.8	74.6	77.4	80.2	82.4	84.8	85.0	—
	30	73.6	73.3	73.3	73.2	72.9	72.0	71.0	73.2	77.8	81.8	83.5	85.0	—
	31	74.2	73.0	72.2	71.8	70.6	70.5	70.9	73.6	78.5	82.1	85.1	86.5	—
Hourly Means.		75.06	74.61	73.99	73.47	73.10	72.69	72.96	75.42	78.91	81.79	83.95	85.14	—
Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
AUGUST.	1	86.2	84.6	84.3	84.0	82.5	81.0	80.1	78.7	78.4	77.6	77.0	76.5	78.25
	2	84.1	83.2	83.5	82.5	81.6	80.5	79.7	78.5	77.9	77.4	77.6	76.5	78.53
	3	83.7	85.1	84.0	83.0	82.2	81.1	80.0	79.3	78.5	77.5	77.4	76.5	78.75
	4	83.6	85.2	84.8	83.4	82.0	81.1	80.4	80.0	79.4	78.4	77.0	75.8	78.40
	5	85.2	82.8	82.8	83.1	82.0	80.7	79.7	79.0	77.8	78.0	77.8	77.1	78.20
	6	86.5	86.2	84.6	84.3	82.8	81.7	80.0	78.8	78.2	77.7	77.5	76.7	79.05
	7	85.3	86.4	85.5	84.4	83.2	81.5	80.3	79.5	78.9	78.0	77.0	76.3	79.30
	8	86.4	87.0	85.3	84.8	83.6	81.6	80.4	79.1	78.3	77.5	76.5	75.6	79.39
	9	89.2	88.2	87.0	85.2	83.8	82.3	80.5	79.3	78.4	76.8	76.0	75.3	79.53
	10	85.3	88.2	86.3	84.6	83.1	81.3	80.5	80.0	79.3	78.3	77.5	77.0	79.14
	11	85.5	85.2	84.2	83.6	82.8	81.4	80.5	80.0	79.0	78.7	78.1	77.0	79.77
	12	83.0	84.0	83.0	83.2	82.3	80.8	79.3	78.3	76.6	76.0	75.9	75.4	77.80
	13	85.8	85.2	84.7	83.0	82.1	80.9	80.4	80.0	79.4	78.9	78.3	77.9	78.89
	14	85.1	85.5	84.5	83.4	82.4	80.8	79.3	78.0	77.2	76.4	75.1	74.4	78.97
	15	86.8	87.0	86.7	85.4	83.8	81.3	79.3	78.1	76.9	76.0	75.4	74.5	78.72
	16	88.2	88.3	87.0	85.0	83.4	81.4	80.0	77.8	76.6	75.8	75.0	74.8	78.55
	17	85.6	86.6	88.1	85.6	83.6	82.5	80.5	79.5	77.3	76.2	75.0	74.2	79.09
	18	85.7	85.9	85.9	84.5	82.2	81.8	80.5	77.6	77.0	75.6	75.0	74.2	78.28
	19	84.0	84.9	84.4	83.7	82.9	81.6	80.8	80.2	78.2	76.5	75.7	75.3	78.33
	20	85.5	85.0	83.8	81.7	81.7	80.9	80.3	80.1	79.6	77.7	76.0	74.1	78.83
	21	83.7	83.6	81.6	82.2	81.1	78.8	78.6	78.2	78.2	77.1	76.9	74.8	77.83
	22	84.9	84.6	84.6	83.1	82.3	80.5	79.6	78.4	76.6	76.0	75.9	75.6	78.13
	23	85.3	85.5	86.4	85.0	83.7	82.5	80.6	79.3	78.2	77.1	76.5	76.0	79.66
	24	85.7	86.3	86.9	85.2	84.6	82.7	80.7	78.9	77.1	76.8	76.1	75.5	79.28
	25	86.4	85.5	85.1	84.9	83.3	82.0	81.2	79.5	78.4	77.2	77.0	77.3	79.37
	26	83.4	84.3	84.1	83.2	82.7	81.7	80.8	79.5	78.4	77.3	76.5	76.3	79.15
	27	83.5	85.0	85.0	84.5	83.0	81.6	80.8	79.7	78.3	77.4	76.5	75.9	79.15
	28	88.4	85.6	84.2	83.4	82.7	81.7	80.5	80.0	78.8	77.6	76.6	75.8	79.43
	29	85.0	84.0	84.5	82.9	78.1	75.9	75.8	75.2	74.5	74.1	74.1	74.1	77.92
	30	85.5	85.0	84.8	84.3	83.0	81.5	80.7	79.4	78.2	77.9	76.9	76.1	78.50
	31	85.6	85.3	83.9	83.2	82.2	81.1	79.6	78.0	77.5	77.2	75.9	74.6	78.05
Hourly Means.		85.42	85.46	84.89	83.88	82.60	81.17	80.05	78.96	77.97	77.12	76.44	75.71	78.78

RELATIVE HUMIDITY OF THE AIR.

SATURATION = 1000.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
AUGUST.	1	896	920	920	919	918	917	935	860	700	650	607	558	—
	2	898	881	880	897	904	911	903	841	763	668	652	689	—
	3	864	897	896	878	804	794	827	775	694	656	625	606	—
	4	881	846	828	835	859	850	842	820	784	733	645	608	—
	5	839	854	869	877	886	892	849	828	760	752	671	600	—
	6	906	922	921	929	929	929	919	888	764	714	628	598	—
	7	865	872	878	877	843	834	843	792	771	646	600	558	—
	8	905	905	913	921	930	929	938	841	750	617	582	560	—
	9	897	897	912	911	920	928	929	858	753	672	621	569	—
	10	897	921	930	920	910	928	919	880	765	690	670	728	—
	11	915	906	915	922	905	921	930	844	746	696	668	627	—
	12	883	841	854	911	920	929	946	947	899	793	781	769	—
	13	839	839	851	887	887	860	860	845	834	699	609	523	—
	14	843	849	840	855	871	895	886	823	713	640	555	508	—
	15	869	853	844	859	884	867	859	785	684	612	559	566	—
	16	869	869	902	909	918	917	917	829	728	610	566	535	—
	17	879	895	903	911	928	928	920	856	772	661	562	516	—
	18	886	894	902	910	918	918	909	854	733	635	574	537	—
	19	887	886	894	902	910	901	901	855	740	719	629	615	—
	20	913	921	930	929	903	912	922	850	740	660	625	616	—
	21	870	879	853	861	869	894	895	840	781	730	706	707	—
	22	878	895	887	869	878	878	878	880	850	698	630	642	—
	23	872	872	897	904	912	896	897	827	661	618	576	546	—
	24	888	889	904	921	920	929	929	865	785	686	636	592	—
	25	905	921	921	938	946	937	929	882	766	697	604	559	—
	26	865	882	889	905	913	921	913	836	769	696	743	850	—
	27	914	905	913	938	937	937	939	836	803	737	638	719	—
	28	880	854	870	869	861	876	861	796	732	690	627	557	—
	29	898	897	904	913	930	947	930	860	730	661	594	646	—
	30	938	929	920	920	929	928	918	860	829	720	660	625	—
	31	904	902	858	814	837	828	812	779	696	575	521	505	—
Hourly Means.		885	887	890	897	899	901	899	843	758	678	625	608	—
Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
AUGUST.	1	540	582	599	616	682	746	787	822	853	867	883	891	778
	2	707	697	659	702	749	760	795	784	821	844	781	833	792
	3	646	638	673	684	736	776	803	794	807	820	835	857	766
	4	639	614	664	677	680	711	737	765	794	814	811	824	761
	5	620	635	683	651	686	746	817	823	844	836	852	875	781
	6	566	625	670	675	710	735	773	800	837	814	836	851	790
	7	633	582	628	648	690	741	804	817	816	861	883	890	766
	8	589	579	666	644	645	735	781	801	830	814	866	889	778
	9	519	614	646	665	720	709	745	785	814	851	873	889	779
	10	672	554	643	696	739	762	797	810	832	861	876	883	803
	11	686	671	688	726	745	770	804	833	847	847	837	867	805
	12	732	666	690	690	736	804	847	869	899	890	881	889	836
	13	501	553	531	604	646	682	709	751	772	778	791	806	736
	14	614	628	616	672	681	690	742	761	780	810	847	862	749
	15	525	532	554	620	621	705	742	768	811	833	832	846	735
	16	514	566	602	587	631	697	743	790	826	848	863	871	754
	17	623	554	464	548	612	674	701	733	788	833	855	870	749
	18	628	598	567	572	620	658	709	774	788	823	839	862	755
	19	687	632	616	653	683	713	768	774	821	842	881	898	784
	20	634	651	666	713	699	710	745	759	786	828	890	878	787
	21	666	673	707	694	755	831	831	846	830	859	867	897	806
	22	600	611	599	657	708	745	772	799	842	865	865	864	783
	23	627	603	638	684	692	688	716	756	776	804	826	841	755
	24	598	588	615	718	676	710	760	815	859	866	873	889	788
	25	651	647	665	670	705	736	748	794	830	851	842	843	791
	26	761	743	701	732	759	785	812	863	830	835	874	882	823
	27	740	690	651	649	710	763	775	780	807	819	834	865	804
	28	511	647	688	698	731	735	782	818	847	876	899	906	775
	29	652	687	668	717	768	824	856	880	904	904	913	921	817
	30	628	638	625	648	690	762	782	823	861	813	834	873	798
	31	616	634	621	611	647	676	699	753	728	773	808	830	726
Hourly Means.		623	624	636	662	695	735	770	798	822	840	853	869	779

DIRECTION OF THE WIND.

Mean Batavia Time		1 A. M.	2	3	4	5	6	7	8	9	10	11	12
AUGUST.	1	C	C	C	C	C	C	C	C	NNE	E	E	E
	2	C	C	C	C	C	C	C	C	C	NNE	NNE	NNE
	3	C	C	C	C	C	C	C	C	NNE	NNE	NNE	N
	4	C	C	N	C	C	N	N	C	N	N	N	NNE
	5	C	C	C	C	C	C	C	N	N	NNE	ENE	ENE
	6	C	C	C	C	C	C	C	NE	ENE	E	E	E
	7	C	C	NE	C	NE	NE	NE	NE	ENE	E	E	ENE
	8	C	C	C	C	C	C	C	NE	NE	ENE	ENE	E
	9	C	C	NE	C	C	C	NE	NE	E	ESE	E	ESE
	10	C	C	C	C	C	C	C	C	ENE	ENE	ENE	NE
	11	C	C	C	C	C	C	C	NE	ESE	E	E	E
	12	ENE	E	SE	SE	C	C	C	C	C	C	SSE	SSE
	13	C	NE	C	C	C	NE	NE	NE	NE	ESE	ESE	ESE
	14	C	C	C	C	C	C	NE	ENE	ENE	ESE	ESE	ENE
	15	C	C	NE	NE	NE	NE	NE	ENE	E	ESE	ESE	E
	16	C	C	C	C	C	C	C	E	ESE	E	E	E
	17	C	C	C	C	C	C	C	ENE	ENE	ENE	ENE	E
	18	C	C	C	C	C	C	C	C	NE	E	E	ENE
	19	C	C	C	C	C	C	C	C	NE	NE	ENE	ENE
	20	NE	C	C	C	C	C	C	C	NE	NE	ESE	ESE
	21	NNE	NNE	NNE	C	NNE	C	C	C	NNE	NNE	NNE	NNE
	22	NE	E	E	E	C	C	E	E	E	E	E	E
	23	C	C	C	C	C	C	C	NNE	E	ENE	E	ESE
	24	C	C	C	C	C	C	C	C	C	NE	NE	NE
	25	C	C	C	C	C	C	C	ENE	ENE	ENE	E	E
	26	C	C	C	C	C	C	C	NE	NE	NE	NE	NNE
	27	C	C	C	C	C	C	NE	ENE	E	ESE	ESE	NE
	28	NE	NE	NE	NE	NE	C	NE	ENE	E	ESE	ESE	ENE
	29	C	C	C	C	C	C	C	C	NE	NE	NE	NE
	30	C	C	C	C	C	C	C	C	NW	NW	N	NNE
	31	C	C	N	N	N	C	C	N	NNE	NNE	NNE	N

Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12
AUGUST.	1	ENE	NNE	NNE	NNE	NNE	NNE	NNE	C	C	C	C	C
	2	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	C	NNE	C	NNE
	3	N	N	N	N	N	N	C	C	C	C	C	N
	4	NNE	NNE	N	N	N	N	N	N	C	C	C	C
	5	NNE	NNE	NE	NE	NE	NE	NE	NE	C	C	C	C
	6	E	NE	NNE	NE	NE	NE	NE	NE	C	C	NE	NE
	7	NNE	NNE	NE	NE	NE	NE	NE	NE	C	C	C	C
	8	NNE	NE	NE	NE	NE	NE	NE	C	C	C	C	C
	9	ENE	NE	NE	NE	NE	ENE	ENE	C	C	C	C	C
	10	N	ENE	NNE	NNE	NE	NE	NE	NE	NE	C	C	C
	11	NNE	NNE	N	NNE	NNE	NE	NE	NE	C	ENE	ENE	C
	12	SSW	WSW	NNE	NE	NE	NE	C	NE	NE	NE	NE	NE
	13	ESE	NE	NNE	NNE	NE	NE	C	C	C	C	C	C
	14	ENE	NE	NE	NE	NE	NE	C	C	C	C	C	C
	15	ENE	NE	E	ENE	E	E	E	C	C	E	C	C
	16	E	ENE	NE	ENE	ENE	ENE	ENE	C	C	C	C	C
	17	NNE	NE	ENE	NE	NE	NE	NE	C	C	C	C	C
	18	NE	NNE	NE	NE	NE	NE	NE	C	C	C	C	C
	19	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NE	NE	C
	20	N	N	N	N	N	N	N	C	C	N	N	NNE
	21	NNE	NNE	NNE	NE	NE	NE	NE	NE	C	C	NE	NE
	22	ENE	N	N	NNE	NNE	NNE	C	C	C	C	C	C
	23	NNE	NNE	NE	NE	NE	NE	NE	C	C	C	C	C
	24	NE	NNE	NE	NE	ENE	ENE	C	C	C	C	C	C
	25	NNE	NNE	NNE	NNE	NE	NE	C	C	C	C	C	C
	26	NNE	NNE	N	NNE	NE	NE	NE	C	C	C	C	C
	27	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE
	28	E	NNE	NNE	NE	NE	NE	NE	C	C	C	C	C
	29	NNE	NNE	N	N	NW	NW	NW	C	C	C	C	NW
	30	NNE	N	N	N	N	N	C	C	N	N	C	C
	31	N	NNE	NNE	N	NNE	NNE	C	C	C	C	C	C

VELOCITY OF THE WIND IN KILOMETERS PER HOUR.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
AUGUST.	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	8.0	8.0	6.4	—
	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	4.0	7.2	—
	3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.6	2.4	1.6	—
	4	0.0	0.0	0.8	0.0	0.0	0.8	0.8	0.0	0.8	0.8	2.4	4.8	—
	5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	4.8	4.8	4.0	—
	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	6.4	6.4	9.7	8.9	—
	7	0.0	0.0	0.8	0.0	0.8	0.8	0.8	1.6	3.2	6.4	11.3	11.3	—
	8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	2.4	8.9	11.3	11.3	—
	9	0.0	0.0	0.8	0.0	0.0	0.0	0.8	4.8	12.1	12.9	12.9	12.9	—
	10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	8.0	7.2	9.7	—
	11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.6	8.0	4.8	5.6	8.9	—
	12	0.8	3.2	2.4	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.8	4.0	—
	13	0.0	1.6	0.0	0.0	0.0	0.8	0.8	2.4	4.8	5.6	4.0	4.8	—
	14	0.0	0.0	0.0	0.0	0.0	0.0	0.8	4.0	8.9	11.3	12.9	11.3	—
	15	0.0	0.0	1.6	0.8	1.6	1.6	1.6	4.8	11.3	12.9	11.3	12.9	—
	16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	8.9	15.3	13.7	11.3	—
	17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	2.4	4.8	10.5	11.3	—
	18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	7.2	8.0	11.3	—
	19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	3.2	4.0	6.4	—
	20	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	2.4	3.2	1.6	—
	21	3.2	2.4	1.6	0.0	0.8	0.0	0.0	0.0	1.6	0.8	2.4	6.4	—
	22	3.2	3.2	3.2	0.8	0.0	0.0	1.6	4.8	3.2	8.0	7.2	5.6	—
	23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	9.7	12.9	8.9	6.4	—
	24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	2.4	9.7	—
	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	5.6	8.0	8.9	11.3	—
	26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	2.4	4.0	9.7	4.8	—
	27	0.0	0.0	0.0	0.0	0.0	0.0	1.6	6.4	8.9	8.0	8.0	12.1	—
	28	3.2	0.8	0.8	2.4	0.8	0.0	1.6	8.0	14.5	12.9	13.7	12.9	—
	29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	4.0	3.2	7.2	—
	30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	4.0	6.4	11.3	—
	31	0.0	0.0	1.6	1.6	1.6	0.0	0.0	0.8	1.6	3.2	6.4	9.7	—
Hourly Means.		0.36	0.36	0.44	0.21	0.18	0.13	0.34	1.73	4.28	6.22	7.26	8.36	—
Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
AUGUST.	1	9.7	12.1	13.7	12.9	9.7	2.4	1.6	0.0	0.0	0.0	0.0	0.0	3.62
	2	10.5	13.7	12.9	8.9	9.7	2.4	0.8	0.8	0.0	0.8	0.0	0.8	3.05
	3	5.6	11.3	11.3	7.2	6.4	1.6	0.0	0.0	0.0	0.0	0.0	0.8	2.11
	4	7.2	10.5	11.3	8.9	6.4	1.6	1.6	0.8	0.0	0.0	0.0	0.0	2.48
	5	8.9	12.9	9.7	10.5	6.4	4.0	4.0	0.8	0.0	0.0	0.0	0.0	3.08
	6	8.0	12.9	17.7	12.9	11.3	6.4	4.0	1.6	0.0	0.0	0.8	0.8	4.53
	7	10.5	16.9	20.9	17.7	13.7	7.2	3.2	0.8	0.0	0.0	0.0	0.0	5.33
	8	8.0	14.5	17.7	16.9	16.1	9.7	2.4	0.0	0.0	0.0	0.0	0.0	5.00
	9	11.3	15.3	21.7	13.7	12.9	8.0	0.8	0.0	0.0	0.0	0.0	0.0	5.87
	10	9.7	12.9	18.5	17.7	15.3	8.0	4.8	1.6	2.4	0.0	0.0	0.0	4.96
	11	14.5	14.5	16.9	15.3	13.7	8.0	3.2	4.8	0.0	1.6	0.8	0.0	5.26
	12	4.8	8.9	12.9	10.5	8.0	1.6	0.0	0.8	0.8	3.2	1.6	0.8	2.75
	13	4.8	13.7	13.7	14.5	12.1	1.6	0.0	0.0	0.0	0.0	0.0	0.0	3.55
	14	8.0	19.3	19.3	16.1	16.1	7.2	0.0	0.0	0.0	0.0	0.0	0.0	5.63
	15	9.7	16.1	16.9	16.9	16.1	12.1	4.0	0.8	0.0	0.8	0.0	0.0	6.41
	16	9.7	13.7	17.7	19.3	12.1	8.0	0.8	0.0	0.0	0.0	0.0	0.0	5.17
	17	12.9	14.5	16.1	13.7	8.0	0.8	0.8	0.0	0.0	0.0	0.0	0.0	4.03
	18	16.1	15.3	17.7	18.5	8.0	2.4	0.8	0.0	0.0	0.0	0.0	0.0	4.52
	19	16.9	14.5	16.1	16.1	8.0	3.2	0.8	1.6	4.0	3.2	0.8	0.0	4.18
	20	6.4	8.0	11.3	6.4	5.6	3.2	0.8	0.0	0.0	2.4	4.0	4.8	2.57
	21	9.7	12.9	12.9	13.7	12.1	6.4	1.6	0.8	0.0	0.0	1.6	2.4	3.89
	22	8.0	12.9	12.1	14.5	9.7	3.2	0.0	0.0	0.0	0.0	0.0	0.0	4.22
	23	8.9	12.9	12.1	14.5	11.3	5.6	1.6	0.0	0.0	0.0	0.0	0.0	4.43
	24	15.3	14.5	13.7	9.7	8.0	3.2	0.0	0.0	0.0	0.0	0.0	0.0	3.22
	25	16.1	18.5	18.5	15.3	10.5	5.6	0.0	0.0	0.0	0.0	0.0	0.0	5.03
	26	6.4	9.7	12.1	12.9	10.5	4.8	0.8	0.0	0.0	0.0	0.0	0.0	3.32
	27	11.3	11.3	17.7	16.9	12.1	1.6	4.0	3.2	1.6	3.2	4.0	2.4	5.60
	28	13.7	19.3	16.1	16.9	12.1	5.6	0.8	0.0	0.0	0.0	0.0	0.0	6.50
	29	9.7	11.3	11.3	11.3	4.8	1.6	2.4	0.8	0.0	0.0	0.0	0.8	2.92
	30	12.9	12.1	8.9	6.4	5.6	2.4	0.0	0.0	0.8	2.4	0.0	0.0	3.08
	31	13.7	15.3	12.9	12.9	6.4	0.8	0.0	0.0	0.0	0.0	0.0	0.0	3.69
Hourly Means,		10.29	13.62	14.91	13.51	10.28	4.52	1.47	0.62	0.31	0.57	0.44	0.41	4.20

CLOUDS.

CLEAR = 0. — OVERCAST = 10.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
AUGUST.	1	1	1	0	0	1	3	1	1	1	0	1	0	—
	2	10	6	2	3	1	4	3	4	5	8	9	7	—
	3	7	6	4	3	9	8	6	6	4	4	2	4	—
	4	7	5	2	2	3	4	9	9	7	7	4	4	—
	5	2	1	0	1	1	1	0	2	1	4	6	7	—
	6	3	3	1	2	3	7	1	0	1	0	0	5	—
	7	9	1	1	0	1	1	1	0	1	0	3	4	—
	8	0	0	0	3	1	1	0	0	0	1	3	4	—
	9	2	1	1	0	3	0	0	0	0	1	1	1	—
	10	1	0	0	0	1	1	4	2	0	5	6	6	—
	11	6	9	10	3	1	2	0	1	3	5	4	5	—
	12	9	10	10	9	9	9	10	10	9	9	10	10	—
	13	9	10	6	9	10	10	10	10	5	7	6	2	—
	14	7	7	6	7	4	2	2	0	1	1	3	4	—
	15	3	2	1	1	2	4	1	0	2	4	6	6	—
	16	2	1	0	0	1	2	1	0	0	1	1	6	—
	17	4	2	3	1	0	1	1	1	0	1	5	6	—
	18	0	0	0	0	0	2	2	3	1	3	4	4	—
	19	3	2	2	4	2	1	1	1	0	3	4	5	—
	20	9	6	6	4	4	4	3	2	0	3	6	7	—
	21	8	10	7	8	5	9	9	8	6	8	9	9	—
	22	9	9	8	9	7	9	10	9	9	8	10	8	—
	23	9	8	2	2	8	7	7	2	2	3	6	7	—
	24	7	7	4	3	3	2	5	3	7	5	4	6	—
	25	6	5	4	6	7	6	2	0	0	3	6	6	—
	26	5	7	5	5	3	3	1	4	1	0	9	7	—
	27	1	0	2	1	2	3	2	2	7	6	6	8	—
	28	2	2	1	1	2	3	2	1	3	5	5	6	—
	29	6	6	7	5	3	2	3	2	4	6	7	6	—
	30	7	6	4	6	6	6	2	2	0	6	7	7	—
	31	3	2	2	1	1	2	1	2	0	0	0	1	—
Hourly Means.		5.1	4.4	3.3	3.2	3.4	3.8	3.2	2.8	2.6	3.8	4.9	5.4	—
Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
AUGUST.	1	6	2	0	0	1	0	2	9	9	3	7	9	2.4
	2	0	7	1	0	1	0	6	4	2	2	7	7	4.1
	3	4	5	2	2	2	4	0	1	6	2	7	5	4.3
	4	4	5	3	7	7	6	9	10	10	6	3	9	5.9
	5	7	7	6	4	2	6	2	8	4	9	9	4	3.9
	6	7	8	8	9	3	2	1	9	9	9	8	8	4.5
	7	8	1	1	0	1	1	4	3	3	1	2	6	2.2
	8	4	3	3	1	0	1	1	0	0	1	1	0	1.2
	9	4	5	2	2	1	1	4	1	0	1	4	3	1.6
	10	6	6	4	3	2	2	8	6	2	9	4	7	3.5
	11	6	3	0	1	2	0	2	3	5	5	8	10	3.9
	12	5	7	9	9	9	8	9	6	3	9	7	7	8.5
	13	2	1	1	4	4	9	9	10	10	9	9	9	7.1
	14	6	4	3	1	1	2	2	4	3	1	2	2	3.1
	15	5	5	4	4	2	1	1	0	1	2	2	1	2.5
	16	7	7	2	0	0	1	0	0	0	1	1	1	1.5
	17	0	6	1	1	6	2	7	4	3	4	2	2	2.6
	18	5	6	3	1	2	8	6	7	4	4	6	4	3.1
	19	3	1	0	3	2	5	8	9	9	9	10	10	4.0
	20	7	8	8	9	7	3	9	9	9	10	10	10	6.4
	21	7	5	6	6	4	3	7	9	2	7	8	10	7.1
	22	4	2	4	2	1	6	3	5	2	2	3	6	6.0
	23	6	5	7	7	6	5	7	6	4	7	6	4	5.5
	24	3	2	3	6	2	7	5	5	4	2	5	3	4.3
	25	5	4	4	3	2	0	2	1	0	1	8	6	3.6
	26	7	6	8	8	7	9	7	6	4	4	3	2	5.0
	27	8	2	4	2	1	4	6	4	5	2	2	3	3.5
	28	6	3	3	2	2	3	6	7	4	6	8	10	3.9
	29	3	3	2	4	10	9	10	7	4	5	9	6	5.4
	30	2	2	2	1	2	4	1	2	7	3	6	3	3.9
	31	3	2	2	1	3	5	4	9	10	8	2	2	2.8
Hourly Means.		4.8	4.3	3.4	3.3	3.1	3.8	4.8	5.3	4.5	4.6	5.5	5.5	4.12

BAROMETRIC PRESSURE.

BAROMETER AT 0°C = 750 MILLIMETRES + THE NUMBERS IN THE TABLE.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
SEPTEMBER.	1	10.70	10.65	10.56	10.60	10.69	11.12	11.65	11.94	11.98	11.79	11.14	10.21	—
	2	10.75	10.43	10.40	10.33	10.76	11.39	12.14	12.36	12.54	12.29	11.67	10.76	—
	3	10.79	10.36	10.34	10.20	10.33	10.92	11.54	11.86	11.93	11.53	10.74	9.87	—
	4	10.34	9.82	9.59	9.70	9.85	10.26	10.65	10.94	10.98	10.73	10.16	9.46	—
	5	10.19	9.87	9.63	9.65	9.88	10.17	10.80	11.30	11.24	11.10	10.29	9.47	—
	6	9.39	9.09	8.88	8.91	9.21	9.48	10.30	10.54	10.67	10.47	9.91	9.39	—
	7	10.03	9.77	9.79	9.80	9.93	10.26	10.53	10.93	11.05	10.78	10.01	8.99	—
	8	9.27	9.04	8.90	8.86	8.99	9.22	9.83	10.20	10.70	10.59	9.99	9.11	—
	9	9.50	8.76	8.80	8.81	9.02	9.31	9.65	10.28	10.53	10.17	9.61	8.88	—
	10	9.16	8.84	8.86	9.07	9.25	9.52	9.85	10.22	10.67	10.39	9.68	8.92	—
	11	9.93	9.65	9.58	9.67	9.94	10.34	10.98	11.50	11.68	11.53	10.98	9.98	—
	12	10.05	9.89	9.85	9.78	10.18	10.80	11.30	11.64	11.60	11.35	10.62	9.82	—
	13	9.90	9.78	10.02	10.09	10.29	10.98	11.46	11.78	11.79	11.55	11.11	10.23	—
	14	9.73	9.39	9.43	9.73	9.95	10.76	11.06	11.36	11.44	11.22	10.54	9.74	—
	15	9.88	9.63	9.59	9.61	9.80	10.18	10.78	11.08	11.39	11.45	10.74	10.08	—
	16	10.53	10.45	10.18	10.22	10.29	10.77	11.31	11.85	12.17	11.94	11.31	10.49	—
	17	10.74	10.67	10.53	10.73	11.04	11.23	11.71	11.95	11.98	11.83	11.14	10.42	—
	18	9.62	9.34	9.38	9.27	9.24	9.53	9.85	10.63	10.89	10.87	10.50	9.57	—
	19	9.87	9.42	9.06	8.96	8.96	9.30	9.35	9.88	10.12	9.93	9.67	9.03	—
	20	9.62	9.21	8.99	9.02	9.30	9.54	10.00	10.27	10.35	10.22	9.74	9.16	—
	21	9.74	9.62	9.45	9.80	10.05	10.44	10.78	11.08	11.35	11.09	10.48	9.65	—
	22	10.74	10.57	10.24	10.28	10.56	10.68	11.12	11.68	11.99	11.70	10.91	10.26	—
	23	10.55	10.43	10.34	10.52	10.98	11.20	11.45	11.60	11.75	11.91	11.19	10.32	—
	24	11.91	11.41	11.18	11.13	11.56	11.72	11.86	12.40	12.35	12.03	11.29	10.64	—
	25	10.54	10.28	10.11	10.13	10.40	10.68	11.00	11.24	11.19	11.07	10.53	9.88	—
	26	9.90	9.73	9.50	9.39	9.58	10.55	11.18	11.65	11.94	11.77	11.42	10.61	—
	27	9.79	9.36	9.55	9.81	10.03	10.30	10.78	10.98	10.99	10.60	9.77	8.84	—
	28	9.65	9.52	9.48	9.70	9.97	10.48	11.20	11.38	11.50	11.09	10.31	9.18	—
	29	8.95	8.48	8.50	8.71	8.82	9.31	9.65	10.34	10.47	10.13	9.51	8.77	—
	30	8.80	8.52	8.30	8.60	8.78	9.32	9.97	10.44	10.77	10.68	9.89	9.07	—
Hourly Means.		10.02	9.73	9.63	9.70	9.92	10.33	10.79	11.18	11.33	11.13	10.50	9.69	—
Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
SEPTEMBER.	1	9.47	8.98	8.39	8.24	8.70	9.48	9.89	10.53	10.98	11.19	11.28	11.13	10.47
	2	9.98	9.43	8.86	8.66	8.81	9.27	9.84	10.72	11.28	11.78	11.79	11.48	10.74
	3	9.34	8.46	8.17	8.13	8.33	8.85	9.63	10.17	10.57	10.87	10.79	10.63	10.18
	4	8.63	8.07	7.70	7.77	7.98	8.61	9.29	10.02	10.51	10.69	10.72	10.58	9.71
	5	8.60	8.02	7.62	7.62	7.76	8.06	8.74	9.24	9.82	10.09	10.16	9.78	9.55
	6	9.06	8.78	8.49	8.39	8.04	8.65	9.14	9.72	10.23	10.41	10.45	10.35	9.50
	7	8.32	7.63	7.38	7.41	7.81	8.16	8.75	9.48	9.87	10.05	9.95	9.70	9.43
	8	8.16	7.59	7.27	7.34	7.66	8.11	8.54	9.11	9.74	9.98	10.17	10.03	9.10
	9	7.76	7.43	6.94	6.98	7.32	8.04	8.59	8.99	9.57	9.88	9.68	9.43	8.91
	10	8.23	7.56	7.38	7.41	7.63	8.18	9.26	9.73	10.07	10.29	10.43	10.20	9.20
	11	9.11	8.38	7.93	8.18	8.44	8.83	9.67	10.33	10.62	11.04	10.92	10.55	9.99
	12	9.25	8.73	8.57	8.57	8.92	9.39	9.87	10.54	10.94	11.19	10.97	10.42	10.18
	13	9.75	9.16	8.57	8.33	8.28	8.86	9.48	10.24	10.74	10.79	10.54	10.37	10.17
	14	9.35	8.73	8.43	8.38	8.63	8.97	9.89	10.38	10.42	10.72	10.75	10.58	9.98
	15	9.27	8.62	8.27	7.94	8.41	9.02	9.58	10.24	10.72	11.02	11.20	10.93	9.98
	16	9.58	8.87	8.47	8.64	9.09	9.72	10.23	11.04	11.50	11.63	11.35	10.83	10.52
	17	9.49	8.57	8.06	7.97	8.21	8.62	9.18	10.02	10.69	11.00	10.67	10.42	10.29
	18	8.98	8.51	8.17	8.28	8.68	8.73	9.01	9.59	10.28	10.65	10.73	10.28	9.61
	19	8.19	7.53	7.01	6.93	7.13	7.83	8.47	9.22	10.16	10.77	10.96	10.27	9.08
	20	8.10	7.28	7.15	7.41	8.01	8.77	9.68	10.33	11.27	11.39	10.92	10.41	9.42
	21	8.87	8.41	8.01	8.21	8.47	9.16	9.58	10.13	10.47	10.97	11.30	11.05	9.92
	22	9.51	8.92	8.73	8.72	8.91	9.41	9.97	10.68	11.04	11.37	11.38	11.27	10.44
	23	9.80	9.50	8.90	9.08	9.58	10.94	10.84	11.24	11.94	12.24	12.20	12.05	10.86
	24	9.96	9.59	8.93	8.58	8.79	9.31	10.31	10.93	11.09	11.64	11.45	11.05	10.88
	25	9.11	8.73	8.28	8.16	8.06	8.59	9.16	9.54	10.32	10.50	10.64	10.28	9.93
	26	10.02	9.21	8.89	8.89	8.92	9.43	9.77	10.14	10.39	10.83	10.19	10.27	10.19
	27	8.46	8.16	7.82	8.00	8.13	8.47	9.28	9.57	10.00	10.17	10.22	10.23	9.55
	28	8.28	7.52	7.25	6.88	7.33	7.68	8.48	9.03	9.53	9.96	9.84	9.58	9.37
	29	7.97	7.23	6.81	7.23	7.61	8.09	8.59	8.81	9.42	9.69	9.58	9.26	8.83
	30	8.38	7.87	7.60	7.31	7.52	8.02	8.62	9.21	9.72	10.08	10.07	9.80	9.06
Hourly Means.		8.97	8.38	8.00	7.99	8.24	8.78	9.38	9.96	10.46	10.76	10.72	10.44	9.83

STANDARD THERMOMETER.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
SEPTEMBER.	1	73.2	72.3	71.0	70.0	69.7	68.9	69.8	74.2	78.8	81.6	84.6	86.1	—
	2	72.4	72.0	70.5	70.0	69.8	69.3	69.6	73.4	78.4	82.1	85.0	86.3	—
	3	74.0	73.2	72.6	72.2	70.7	70.2	70.6	74.4	79.2	83.0	85.4	86.9	—
	4	75.0	74.5	74.0	73.4	72.7	72.4	73.1	76.6	80.6	83.6	86.2	86.5	—
	5	77.0	76.6	76.2	75.8	75.3	74.5	74.5	75.6	80.0	82.9	85.3	87.6	—
	6	77.6	76.3	74.6	73.9	73.7	73.3	73.8	76.1	80.8	83.6	86.3	87.9	—
	7	74.6	74.3	74.1	74.1	73.7	72.6	73.3	76.0	79.7	82.9	85.9	88.0	—
	8	75.5	74.7	74.0	73.5	73.0	72.6	73.0	75.5	79.4	82.6	84.7	87.0	—
	9	75.9	75.5	74.8	75.1	74.6	73.3	73.7	76.9	80.6	83.0	85.4	86.4	—
	10	77.1	76.3	76.3	76.0	75.4	74.5	75.0	78.3	83.3	83.6	84.5	85.3	—
	11	76.7	75.9	75.6	75.0	74.6	73.9	74.4	77.6	79.9	83.5	84.9	86.2	—
	12	76.3	75.3	74.9	74.0	73.3	72.7	73.1	76.6	79.6	84.2	86.5	88.0	—
	13	75.3	74.4	73.6	73.1	72.5	71.8	72.2	76.0	80.6	83.8	85.6	88.3	—
	14	75.0	73.7	73.0	72.6	72.2	71.7	72.8	76.6	80.8	83.6	85.8	87.4	—
	15	75.2	74.7	74.1	73.5	73.0	72.8	73.4	76.6	80.4	82.6	85.3	86.0	—
	16	77.0	76.4	76.0	75.2	74.3	73.6	74.3	77.5	81.0	83.8	84.4	85.4	—
	17	76.4	76.1	75.8	75.4	74.6	74.0	74.5	77.4	81.0	82.7	84.0	85.6	—
	18	74.7	74.2	73.7	73.4	73.7	73.7	74.4	76.7	80.0	82.4	83.0	85.1	—
	19	75.5	75.0	74.8	74.5	74.5	74.3	75.3	78.3	80.4	83.0	85.2	85.8	—
	20	75.3	75.1	74.7	74.7	74.5	74.5	75.4	79.2	82.6	84.8	87.5	88.6	—
	21	76.9	76.4	75.7	75.0	74.6	74.0	75.6	80.4	83.0	86.3	88.7	90.4	—
	22	74.4	73.8	73.0	71.6	70.8	70.4	71.4	76.8	82.3	85.3	88.0	87.0	—
	23	75.6	75.0	74.5	74.6	74.4	74.7	75.8	79.0	82.2	83.5	85.0	86.2	—
	24	72.5	72.0	71.6	71.5	71.5	71.0	72.4	76.3	80.6	83.7	86.3	85.7	—
	25	74.2	74.0	73.4	72.9	72.2	72.0	73.5	77.5	80.5	82.5	85.3	85.5	—
	26	75.7	75.4	75.0	74.2	73.7	73.4	74.7	78.1	80.8	82.0	84.0	84.2	—
	27	73.8	73.3	72.8	72.5	72.0	71.5	73.2	77.1	81.8	84.8	87.9	88.5	—
	28	77.0	76.8	76.3	76.1	76.5	75.3	76.0	78.2	81.2	82.9	84.6	86.4	—
	29	77.4	76.6	76.0	75.2	75.1	74.6	76.0	79.8	82.6	84.7	85.5	86.3	—
	30	74.6	73.8	73.0	72.3	72.1	71.7	73.0	77.0	80.5	84.0	87.5	88.5	—
Hourly Means.		75.39	74.79	74.19	73.71	73.29	72.77	73.59	76.99	80.75	83.43	85.61	86.77	—
Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
SEPTEMBER.	1	85.0	84.3	84.0	83.5	81.6	80.5	79.2	77.4	76.0	75.3	74.3	73.7	77.29
	2	85.0	85.0	84.4	83.7	82.1	80.9	79.5	78.2	76.7	76.5	75.5	74.7	77.54
	3	85.0	85.7	85.0	83.7	82.6	81.1	80.0	78.8	77.8	76.8	76.1	75.8	78.37
	4	87.2	87.1	86.6	84.2	83.6	82.5	81.5	79.7	78.7	78.0	77.7	77.9	79.72
	5	87.9	85.7	85.1	83.3	83.0	82.0	81.5	80.6	79.4	79.2	79.0	78.5	80.27
	6	85.6	85.0	83.2	83.5	82.6	81.5	81.0	80.2	79.8	77.5	76.0	75.1	79.54
	7	88.2	86.7	85.8	84.5	83.1	81.9	81.0	80.5	79.0	77.9	77.2	76.4	79.64
	8	84.9	85.1	85.2	84.2	82.8	81.8	81.6	81.4	78.4	78.0	78.0	77.6	79.35
	9	87.6	86.2	84.9	83.3	81.7	80.9	80.3	79.4	78.9	78.7	78.5	78.1	79.74
	10	86.1	86.3	85.8	84.6	83.2	82.0	81.6	80.9	80.3	79.6	78.8	77.8	80.53
	11	88.3	86.6	86.5	85.1	83.8	82.5	81.6	81.3	80.1	79.9	78.8	77.8	80.44
	12	87.0	87.0	86.6	86.2	84.0	82.4	81.1	80.1	79.5	78.6	77.4	75.7	80.00
	13	86.1	87.0	88.2	88.0	87.0	85.0	82.4	80.8	80.2	78.2	77.3	76.1	80.15
	14	86.2	86.7	85.4	84.4	82.9	82.0	81.7	80.6	78.6	78.4	77.9	76.4	79.43
	15	85.5	86.2	85.6	83.6	82.4	81.7	81.5	80.9	78.4	76.8	77.0	77.2	79.35
	16	87.0	86.0	85.0	83.9	82.9	82.5	79.6	78.0	77.7	77.4	77.0	76.8	79.70
	17	86.0	86.2	85.2	84.0	82.8	81.7	81.0	80.4	80.0	78.7	76.5	75.0	79.79
	18	85.0	82.8	83.8	81.6	80.0	78.8	78.7	77.4	77.0	76.7	76.8	76.3	78.33
	19	86.3	85.6	86.2	85.4	83.6	82.3	81.7	81.0	80.2	80.0	77.4	75.7	80.08
	20	90.6	90.0	89.3	89.0	86.4	83.7	82.1	81.2	80.7	79.8	78.6	77.8	81.50
	21	91.5	89.6	88.1	86.8	85.6	83.6	81.8	79.6	78.1	77.3	76.1	75.0	81.25
	22	86.4	86.2	85.0	84.3	83.0	82.0	81.6	80.5	79.1	77.6	76.5	76.0	79.29
	23	86.5	83.2	81.7	82.9	82.4	77.6	74.4	74.0	73.7	72.8	72.8	72.2	78.24
	24	85.6	81.4	84.6	84.4	83.1	81.8	81.0	79.4	77.6	76.4	75.9	75.0	78.39
	25	85.3	85.6	85.2	83.0	82.6	81.8	80.9	80.1	79.6	78.4	77.3	76.7	79.17
	26	83.5	85.5	84.3	83.6	83.4	81.5	78.7	77.9	76.6	75.5	74.7	74.5	78.79
	27	86.9	87.4	87.4	84.7	80.3	80.5	80.1	79.3	78.6	78.5	77.7	77.5	79.50
	28	86.9	85.4	84.9	83.9	83.1	82.1	81.3	80.2	79.4	79.2	78.6	78.1	80.43
	29	86.4	87.5	86.5	84.6	83.4	79.8	76.8	76.4	76.2	76.0	75.6	75.7	79.78
	30	86.4	86.3	85.9	85.0	84.0	82.4	81.4	79.4	77.3	76.6	75.6	74.9	79.30
Hourly Means.		86.53	85.98	85.61	84.43	83.10	81.69	80.55	79.52	78.45	77.68	76.89	76.20	79.50

RELATIVE HUMIDITY OF THE AIR.

SATURATION = 1000.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
S E P T E M B E R.	1	894	866	838	835	862	790	853	788	697	625	506	520	—
	2	884	874	908	898	907	897	897	836	702	517	433	431	—
	3	862	877	885	901	908	898	880	797	676	572	518	485	—
	4	880	879	887	903	911	894	894	787	668	596	545	530	—
	5	834	833	817	816	799	789	772	737	680	592	511	462	—
	6	820	841	845	844	836	827	844	769	579	512	474	452	—
	7	973	837	845	845	861	893	869	816	729	624	532	480	—
	8	840	879	878	869	886	885	868	800	728	629	574	520	—
	9	800	832	822	839	781	801	786	674	626	554	518	535	—
	10	764	777	739	738	744	764	759	680	580	589	592	583	—
	11	810	832	840	839	854	861	862	789	750	607	582	545	—
	12	817	848	863	879	877	894	894	818	742	584	516	479	—
	13	831	845	861	860	885	892	875	817	703	608	566	493	—
	14	831	869	876	875	884	883	851	810	696	601	520	529	—
	15	855	863	878	886	902	910	894	827	745	690	646	604	—
	16	842	865	856	864	879	877	862	797	712	608	623	614	—
	17	899	857	848	848	871	896	871	780	690	635	603	598	—
	18	863	878	887	886	869	877	854	803	700	661	670	620	—
	19	872	888	897	904	904	913	889	791	738	618	583	568	—
	20	864	872	888	879	879	871	840	720	670	600	535	523	—
	21	756	770	800	822	813	811	792	738	670	551	516	459	—
	22	896	828	834	866	880	880	856	749	673	608	578	621	—
	23	881	897	904	904	921	922	898	808	701	660	645	600	—
	24	937	928	936	936	927	945	929	857	760	673	607	636	—
	25	870	878	886	902	919	928	903	774	782	702	627	667	—
	26	915	922	922	921	929	929	913	861	754	736	667	694	—
	27	895	911	910	910	909	918	886	805	700	569	513	540	—
	28	924	932	940	940	940	948	957	893	791	724	663	683	—
	29	900	899	906	914	889	897	906	840	745	677	661	664	—
	30	888	903	894	902	901	892	860	780	696	622	530	523	—
Hourly Means.		863	866	870	874	878	879	867	791	703	618	568	555	—
Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
S E P T E M B E R.	1	551	578	563	548	604	646	712	765	801	823	854	861	724
	2	538	594	572	575	653	703	741	761	803	817	832	846	734
	3	594	609	632	639	669	691	759	778	806	827	849	856	749
	4	557	537	546	634	567	628	681	742	784	790	805	805	727
	5	513	593	608	606	624	686	705	745	756	763	771	783	700
	6	518	527	592	606	655	678	704	744	773	820	899	947	713
	7	515	530	579	636	657	652	655	674	733	752	773	794	719
	8	594	607	607	654	682	713	727	741	792	813	782	751	742
	9	507	556	611	690	712	702	715	764	778	784	799	791	707
	10	588	534	550	581	605	666	679	711	738	750	755	790	677
	11	511	560	553	600	601	614	685	705	751	750	778	806	712
	12	572	561	523	486	564	621	676	707	727	732	774	824	707
	13	643	585	520	479	519	545	688	690	694	746	774	817	706
	14	593	583	614	688	738	757	763	811	792	791	797	825	749
	15	639	630	609	678	729	741	741	789	807	842	834	834	774
	16	585	605	638	660	724	688	742	790	790	796	819	858	754
	17	606	576	602	628	683	679	711	731	744	801	826	855	743
	18	639	649	608	735	810	800	800	828	819	818	827	850	781
	19	600	647	599	602	692	758	784	783	803	818	828	910	767
	20	453	497	531	431	511	627	680	683	710	743	762	767	689
	21	360	467	526	554	555	639	665	742	782	835	906	957	687
	22	663	649	670	681	746	778	777	782	831	829	850	856	766
	23	638	718	683	745	778	828	913	912	912	920	920	928	818
	24	667	762	689	663	690	757	797	756	774	825	824	855	797
	25	653	654	678	746	759	771	804	833	855	885	892	907	803
	26	713	647	675	678	705	719	747	775	818	848	871	888	802
	27	614	568	557	656	856	842	871	902	902	909	917	925	791
	28	646	678	670	706	739	778	806	856	878	894	893	901	824
	29	656	618	631	663	684	727	803	833	857	865	864	864	790
	30	558	576	598	625	647	709	755	801	835	857	864	879	754
Hourly Means.		583	597	601	629	672	705	743	771	795	815	831	852	747

DIRECTION OF THE WIND.

Mean Batavia Time.	1 A. M.	2	3	4	5	6	7	8	9	10	11	12
SEPTEMBER.	1	C	C	NNE	C	C	C	NNE	NNE	NNE	NNE	NNE
	2	C	C	C	C	C	C	NNE	ENE	ESE	E	E
	3	C	C	C	C	C	NE	NE	ESE	ESE	E	E
	4	C	C	C	C	C	C	NE	E	E	E	E
	5	C	C	C	C	NE	C	NE	NE	ENE	ENE	SSW
	6	C	C	C	C	C	NE	C	ESE	ESE	ESE	ENE
	7	C	C	C	C	C	C	NE	NE	NE	E	ESE
	8	C	C	C	C	C	C	C	C	NE	ENE	E
	9	SSE	SSE	C	C	C	C	SSE	SE	ESE	E	NE
	10	C	C	N	N	N	C	N	ENE	ESE	ESE	ENE
	11	C	C	C	C	C	NNE	NE	NE	ENE	E	N
	12	C	C	C	C	C	C	NE	ESE	ESE	ENE	ENE
	13	C	C	C	C	C	C	ENE	E	ESE	ENE	E
	14	C	C	C	C	C	C	ENE	ESE	E	ENE	NNE
	15	C	C	C	C	C	C	NNE	NNE	NE	NE	NNE
	16	C	C	C	C	C	C	C	NE	NE	NE	N
	17	C	C	C	C	C	C	SSE	SSE	SSE	SW	NNW
	18	C	C	C	C	C	C	C	NNE	NE	NNE	NNE
	19	C	C	C	C	C	C	N	NNE	ESE	E	ENE
	20	SE	SE	SE	C	C	C	SE	ESE	ESE	E	ENE
	21	ENE	ENE	C	C	C	C	ENE	E	ENE	ENE	ENE
	22	C	C	C	C	C	C	NE	E	E	E	N
	23	C	C	C	C	C	C	NNE	ENE	ENE	NE	N
	24	C	C	C	C	C	C	SE	SE	E	E	NNE
	25	C	C	C	C	C	C	E	E	E	E	NNE
	26	C	C	C	C	C	C	C	NNE	NNE	N	NE
	27	C	C	C	C	C	C	N	NE	ENE	ENE	NE
	28	C	C	C	C	C	C	C	C	NE	NE	NE
	29	C	C	C	C	C	C	NNE	NNE	NNE	NNE	N
	30	C	C	C	C	C	C	NNW	NNW	C	ENE	NE
Mean Batavia Time.	1 P. M.	2	3	4	5	6	7	8	9	10	11	12
SEPTEMBER.	1	NNE	NNE	NNE	NE	NNE	NNE	C	C	C	C	C
	2	NE	NNE	N	NE	NE	NE	NE	C	C	C	C
	3	NNE	N	NNE	NE	NNE	NNE	NE	C	C	C	C
	4	N	N	NE	NNE	NE	NE	C	C	NE	C	C
	5	WNW	N	N	NE	NE	NE	C	C	C	NE	C
	6	N	NNE	NNE	NE	NE	NE	C	C	C	NE	C
	7	ENE	N	NNE	NNE	NE	NE	C	C	C	C	C
	8	NNE	NNE	NE	NE	NNE	NNE	C	NNE	ESE	C	SSE
	9	NNE	NNE	N	N	N	N	C	C	C	N	N
	10	NE	NNE	NNE	NE	NNE	NNE	C	C	C	C	C
	11	NNE	NNE	NE	NE	NE	NE	C	C	C	C	C
	12	NNE	N	NNE	NE	NE	NE	C	C	C	C	C
	13	NNE	NNE	NE	NE	ENE	ENE	C	C	C	C	C
	14	N	NNE	NNE	NNE	N	NNE	C	NNE	C	C	C
	15	NE	NNE	N	N	NNE	NNE	C	NNE	NE	C	C
	16	NNE	N	N	NNE	N	N	ENE	SSE	SSE	SSE	SSE
	17	NNE	NNE	NNE	NNE	NNE	NNE	C	C	C	C	C
	18	NNE	NNE	N	N	NNW	N	C	C	C	N	C
	19	NNE	NNE	NNE	NNE	NNE	NE	NE	NE	NE	NE	SE
	20	NE	NE	NE	ENE	ENE	ENE	ENE	ENE	C	ENE	ENE
	21	NE	NE	NE	NE	NE	NE	C	C	C	C	NE
	22	N	N	NNE	NNE	NNE	NNE	C	C	C	C	C
	23	NE	NNE	NE	NE	NNE	SE	SE	C	C	C	C
	24	NNE	NNE	NE	NE	NE	NE	E	E	C	C	C
	25	N	N	NNE	N	NNE	NNE	C	C	C	C	C
	26	NE	NNE	N	N	N	N	C	C	C	C	C
	27	NNE	N	NNE	NE	NE	NE	C	C	C	C	C
	28	N	N	NNE	NNE	NNE	NNE	C	C	NNE	C	C
	29	N	N	N	NNE	NNW	NNW	C	C	C	C	C
	30	N	NNE	NNE	NE	NE	NE	C	C	C	NE	C

VELOCITY OF THE WIND IN KILOMETERS PER HOUR.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
S E P T E M B E R .	1	0.0	0.0	1.6	0.0	0.0	0.0	0.0	1.6	4.0	3.2	4.0	8.0	—
	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	5.6	7.2	8.9	8.0	—
	3	0.0	0.0	0.0	0.0	0.0	0.0	0.8	3.2	9.7	12.1	9.7	8.9	—
	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	13.7	12.1	12.1	7.2	—
	5	0.0	0.0	0.0	0.0	0.8	0.0	0.0	1.6	3.2	3.2	4.0	4.8	—
	6	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.0	3.2	5.6	8.9	8.0	—
	7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	2.4	4.8	8.9	8.9	—
	8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.8	4.8	6.4	—
	9	0.8	0.8	0.0	0.0	0.0	0.0	0.0	3.2	2.4	1.6	3.2	12.1	—
	10	0.0	0.0	0.8	0.8	0.8	0.0	0.8	3.2	4.8	2.4	1.6	8.0	—
	11	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.6	3.2	5.6	5.6	12.9	—
	12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	4.0	10.5	10.5	10.5	—
	13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	7.2	4.8	4.8	9.7	—
	14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	4.0	3.2	4.8	10.5	—
	15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.6	3.2	8.0	12.9	—
	16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	3.2	5.6	—
	17	0.0	0.0	0.0	0.0	0.0	0.0	0.8	2.4	1.6	1.6	1.6	8.0	—
	18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	2.4	2.4	8.9	—
	19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	4.0	8.0	9.7	10.5	—
	20	1.6	1.6	0.8	0.0	0.0	0.0	1.6	8.0	15.3	16.1	13.7	11.3	—
	21	4.0	3.2	0.0	0.0	0.0	0.0	6.4	15.3	16.9	15.3	20.1	19.3	—
	22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	8.9	11.3	13.7	15.3	—
	23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	6.4	7.2	9.7	8.9	—
	24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	4.0	7.2	7.2	12.1	—
	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	4.8	4.8	5.6	9.7	—
	26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	2.4	6.4	4.8	—
	27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	2.4	5.6	6.4	10.5	—
	28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	3.2	6.4	—
	29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	2.4	1.6	4.0	8.9	—
	30	0.0	0.0	0.0	0.0	0.0	0.0	1.6	0.8	0.0	4.8	6.4	12.1	—
Hourly Means.		0.21	0.19	0.11	0.03	0.05	0.00	0.45	2.06	4.66	5.86	7.10	9.64	—
Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
S E P T E M B E R .	1	14.5	16.1	12.9	13.7	7.2	0.8	0.0	0.0	0.0	0.0	0.0	0.0	3.65
	2	11.3	14.5	12.1	14.5	11.3	8.0	3.2	0.0	0.0	0.0	0.0	0.0	4.39
	3	10.5	16.1	16.1	15.3	10.5	4.8	0.8	0.0	0.0	0.0	0.0	0.0	4.94
	4	11.3	15.3	15.3	16.1	9.7	0.8	0.0	0.0	0.8	0.0	0.0	0.0	4.93
	5	8.0	12.1	14.5	12.9	10.5	5.6	2.4	0.0	0.0	0.0	0.8	0.0	3.52
	6	14.5	15.3	15.3	15.3	8.9	0.8	0.0	0.0	0.0	0.8	1.6	1.6	4.19
	7	10.5	13.7	15.3	14.5	13.7	5.6	0.8	0.0	0.0	0.0	0.0	0.0	4.20
	8	14.5	12.9	13.7	12.9	7.2	1.6	0.0	0.8	3.2	0.0	0.8	2.4	3.58
	9	12.9	13.7	15.3	13.7	8.9	3.2	0.0	0.0	0.0	0.0	0.8	0.8	3.89
	10	17.7	15.3	16.1	12.1	8.9	4.0	0.0	0.0	0.0	0.0	0.0	0.0	4.05
	11	16.9	19.3	16.1	16.9	12.1	4.0	0.0	0.0	0.0	0.0	0.0	0.0	4.79
	12	12.1	12.9	14.5	18.5	13.7	7.2	3.2	0.0	0.0	0.0	0.0	0.0	4.93
	13	15.3	16.1	16.1	9.7	7.2	2.4	0.8	0.0	0.0	0.0	0.0	0.0	4.02
	14	12.9	16.9	16.9	12.9	6.4	1.6	0.0	0.8	0.0	0.0	0.0	0.0	3.82
	15	14.5	12.9	11.3	11.3	8.0	0.8	0.0	0.8	0.8	0.0	0.0	0.0	3.62
	16	8.9	13.7	15.3	11.3	3.2	1.6	3.2	4.0	0.8	0.8	0.8	1.6	3.22
	17	12.9	12.9	14.5	14.5	9.7	3.2	0.8	0.0	0.0	0.0	0.0	0.0	3.52
	18	13.7	11.3	11.3	9.7	6.4	1.6	0.0	0.8	0.0	0.0	0.8	0.0	2.95
	19	12.1	7.2	14.5	14.5	10.5	4.0	3.2	0.8	0.0	0.8	3.2	4.8	4.56
	20	17.7	18.5	17.7	16.9	12.9	12.9	11.3	2.4	0.8	0.0	1.6	3.2	7.75
	21	20.9	20.1	20.9	14.5	9.7	3.2	0.0	0.0	0.0	0.0	0.0	0.8	7.94
	22	15.3	19.3	18.5	14.5	8.9	2.4	0.0	0.0	0.0	0.0	0.0	0.0	5.40
	23	16.9	16.1	19.3	12.1	7.2	4.8	0.8	0.0	0.0	0.0	0.0	0.0	4.66
	24	14.5	10.5	15.3	11.3	9.7	1.6	0.8	4.0	0.8	0.0	0.0	0.0	4.16
	25	9.7	13.7	16.1	11.3	10.5	4.0	0.8	0.0	0.0	0.0	0.0	0.0	3.86
	26	8.9	11.3	9.7	5.6	2.4	0.8	0.0	0.0	0.0	0.0	0.0	0.0	2.21
	27	13.7	12.9	16.9	15.3	6.4	1.6	0.0	0.0	0.0	0.0	0.0	0.0	3.85
	28	8.0	12.9	14.5	11.3	8.0	2.4	0.0	0.0	0.0	0.8	0.0	0.0	2.88
	29	13.7	12.1	13.7	5.6	1.6	0.8	0.0	0.0	0.0	0.0	0.0	0.0	2.72
	30	15.3	16.1	13.7	12.9	8.9	4.0	0.0	0.0	0.0	0.0	0.8	0.0	4.06
Hourly Means.		13.32	14.39	15.11	13.05	8.67	3.34	1.07	0.48	0.24	0.11	0.37	0.51	4.21

CLOUDS

CLEAR = 0. — OVERCAST = 10.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
S E P T E M B E R .	1	1	0	1	2	1	0	0	0	0	0	1	1	—
	2	5	3	1	1	2	4	2	1	1	0	2	4	—
	3	4	4	2	3	5	2	2	3	4	3	4	4	—
	4	5	6	7	6	6	4	2	1	4	4	6	7	—
	5	9	10	10	10	9	9	10	6	4	6	2	1	—
	6	3	0	0	1	7	8	6	7	6	6	4	4	—
	7	2	3	7	7	5	6	1	1	0	2	2	2	—
	8	3	2	2	1	4	3	3	2	4	4	7	6	—
	9	10	7	10	10	6	6	4	2	2	6	3	3	—
	10	9	8	8	10	7	8	4	1	1	7	7	8	—
	11	2	8	8	7	3	6	5	4	7	6	6	5	—
	12	0	0	0	0	0	2	1	1	1	2	3	6	—
	13	3	3	4	2	3	2	4	3	2	3	3	6	—
	14	4	3	2	1	1	1	2	2	1	3	6	6	—
	15	2	1	2	2	1	3	1	1	1	0	1	0	—
	16	8	5	3	2	2	3	10	8	5	7	7	3	—
	17	7	5	4	3	4	5	2	3	2	6	7	5	—
	18	3	3	2	4	6	4	6	9	9	10	8	9	—
	19	9	6	10	10	10	9	4	3	4	6	6	5	—
	20	8	8	8	7	6	9	6	7	6	8	6	8	—
	21	2	4	2	4	3	3	3	1	6	5	4	2	—
	22	2	1	1	0	1	4	2	2	1	2	4	2	—
	23	3	2	2	4	6	4	6	4	5	9	7	8	—
	24	6	4	3	5	5	6	4	2	1	6	7	7	—
	25	3	3	2	3	2	4	2	1	6	5	4	3	—
	26	1	2	2	1	0	2	1	1	8	9	8	10	—
	27	3	2	1	1	2	3	1	0	6	1	1	3	—
	28	9	7	9	9	10	10	8	6	6	5	4	5	—
	29	5	4	6	4	6	2	1	0	2	4	7	6	—
	30	2	1	1	2	1	1	1	2	1	0	5	1	—
Hourly Means.		4.4	3.8	4.0	4.1	4.1	4.4	3.5	2.8	3.3	4.5	4.7	4.7	—
Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
S E P T E M B E R .	1	1	1	0	1	1	0	2	1	4	2	2	3	1.0
	2	4	3	2	1	1	2	1	9	6	5	8	6	3.1
	3	3	2	2	1	1	0	0	7	5	8	6	5	3.3
	4	3	2	2	3	5	9	4	8	10	10	10	10	5.6
	5	6	4	4	3	5	3	9	4	8	9	9	9	6.6
	6	2	1	6	2	1	8	7	8	6	6	4	3	4.4
	7	4	4	3	3	1	4	4	6	7	6	4	2	3.6
	8	3	2	1	2	1	8	10	10	10	10	10	10	4.9
	9	2	4	3	4	4	5	2	3	7	8	9	9	5.4
	10	6	2	0	0	1	2	3	4	7	2	5	6	4.8
	11	1	0	1	1	2	4	8	6	9	9	5	3	4.8
	12	6	5	4	2	3	3	4	9	10	6	5	5	3.3
	13	2	1	1	0	1	2	2	8	4	3	2	2	2.8
	14	2	2	3	3	4	7	6	5	7	7	5	2	3.5
	15	2	2	4	3	6	7	8	6	3	8	8	7	3.3
	16	1	0	1	0	6	7	8	9	9	7	7	6	5.2
	17	4	2	2	0	2	2	3	10	5	7	6	4	4.2
	18	7	8	7	9	9	6	9	10	10	10	10	10	7.4
	19	9	8	6	3	4	5	3	7	8	9	9	9	6.8
	20	6	3	1	1	4	2	9	4	5	3	5	2	5.5
	21	1	0	1	0	1	0	3	3	2	6	3	2	2.5
	22	4	3	5	4	4	5	6	5	6	5	6	4	3.3
	23	6	8	6	7	9	10	7	4	3	3	4	3	5.4
	24	6	7	4	5	3	4	9	9	4	8	3	2	5.0
	25	6	4	5	7	8	7	5	6	3	2	2	1	3.9
	26	9	3	4	1	6	6	5	4	7	7	3	3	4.3
	27	3	2	3	10	8	9	4	5	10	9	7	10	4.1
	28	3	2	1	2	2	4	5	9	7	9	6	7	6.0
	29	4	3	5	9	7	4	1	0	6	0	1	3	3.8
	30	0	2	4	7	6	4	3	2	1	2	2	3	2.3
Hourly Means.		3.9	3.0	3.0	3.1	3.9	4.6	5.0	6.0	6.3	6.2	5.5	5.0	4.33

BAROMETRIC PRESSURE.

BAROMETER AT 0°C = 750 MILLIMETRES + THE NUMBERS IN THE TABLE.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
OCTOBER.	1	9.54	9.10	9.09	9.21	9.38	9.69	10.30	10.84	11.07	10.67	9.98	9.18	—
	2	9.48	9.19	8.92	9.30	9.59	9.95	10.59	10.90	11.14	10.83	10.39	9.56	—
	3	9.82	9.73	9.64	9.78	9.95	10.18	10.65	11.00	11.14	10.91	10.28	9.77	—
	4	10.72	10.34	10.32	10.95	10.99	11.45	11.65	11.83	12.02	11.77	11.20	10.82	—
	5	11.03	10.70	10.64	10.33	10.56	10.74	11.06	11.63	11.55	11.18	10.49	9.66	—
	6	9.29	9.22	8.96	8.73	8.73	9.47	9.90	10.33	10.48	10.32	9.98	9.11	—
	7	8.81	8.36	8.22	8.15	8.32	8.88	9.48	9.95	9.90	9.68	9.52	8.80	—
	8	9.02	8.76	8.67	8.63	8.88	9.10	9.32	9.88	10.15	10.19	9.65	8.96	—
	9	8.91	8.49	8.55	8.57	8.70	9.17	9.70	10.09	10.02	9.67	8.95	8.33	—
	10	8.47	8.02	7.92	7.95	8.18	8.57	9.02	9.32	9.34	9.09	8.60	7.97	—
	11	8.33	8.05	7.63	7.65	7.72	7.90	8.26	8.40	8.30	8.33	7.96	7.36	—
	12	7.45	6.92	6.65	6.75	7.15	7.42	7.94	8.40	8.76	8.69	8.56	7.73	—
	13	8.41	7.79	7.55	7.72	7.96	8.13	8.85	9.37	9.42	9.08	8.66	8.13	—
	14	9.20	8.75	8.46	8.32	8.54	9.00	9.70	10.08	10.02	9.82	9.03	7.76	—
	15	9.14	8.94	8.67	8.70	9.02	9.48	9.96	10.16	9.99	9.87	9.49	8.48	—
	16	9.59	9.05	8.87	8.90	9.17	9.55	9.96	10.41	10.49	10.33	9.72	8.96	—
	17	8.91	8.79	8.65	8.89	9.02	9.25	9.80	10.16	10.42	10.27	9.98	9.19	—
	18	9.90	9.50	9.24	9.49	9.77	10.10	10.83	11.23	11.44	11.40	10.93	10.11	—
	19	10.85	10.65	10.45	10.51	10.81	10.96	11.28	11.65	11.65	11.24	10.77	10.27	—
	20	10.18	9.75	9.27	9.58	9.84	9.95	10.60	10.72	10.68	10.36	10.09	9.49	—
	21	9.14	8.75	8.75	8.80	9.00	9.34	10.04	10.53	10.57	10.49	10.31	9.56	—
	22	9.88	9.49	9.50	9.75	9.93	10.20	10.88	10.96	11.00	10.98	10.66	10.04	—
	23	10.55	10.38	10.25	10.26	10.48	10.94	11.33	11.68	11.53	11.09	10.63	9.88	—
	24	10.82	10.39	10.24	10.24	10.75	10.90	11.10	11.28	11.05	10.76	10.22	9.61	—
	25	10.15	9.68	9.35	9.52	10.05	10.36	10.70	10.93	11.00	10.69	10.28	9.42	—
	26	9.30	9.14	9.15	9.31	9.32	9.78	9.98	10.60	10.35	10.18	9.66	8.91	—
	27	9.02	8.81	8.79	8.92	9.15	9.44	9.88	10.25	10.13	9.97	9.46	8.51	—
	28	8.45	8.22	8.15	7.99	8.56	8.82	9.31	9.63	9.63	9.16	8.66	7.83	—
	29	8.61	8.21	8.22	8.52	8.72	9.08	9.71	10.14	10.03	9.72	9.33	8.77	—
	30	8.92	8.81	8.67	8.81	8.72	8.99	9.36	9.89	9.94	9.99	9.37	8.46	—
	31	9.13	8.75	8.44	8.36	8.39	8.92	9.48	9.79	9.73	9.39	8.84	8.36	—
Hourly Means.		9.39	9.06	8.90	8.99	9.20	9.54	10.02	10.39	10.42	10.20	9.73	9.00	—
Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
OCTOBER.	1	8.07	7.72	7.27	7.33	7.49	8.34	9.17	9.72	10.09	10.53	10.21	9.74	9.32
	2	8.87	8.33	7.83	7.69	8.17	9.09	9.73	10.14	10.54	10.90	10.64	10.27	9.67
	3	8.96	8.27	8.11	8.17	8.67	9.36	10.18	10.74	11.32	11.71	11.67	11.17	10.05
	4	9.95	9.22	9.15	8.77	9.06	9.96	10.53	10.82	11.61	11.94	11.93	11.63	10.78
	5	8.78	8.31	7.80	7.61	7.87	8.42	9.12	9.44	9.88	10.11	10.34	9.61	9.87
	6	8.21	7.39	6.89	6.68	7.37	8.28	8.44	8.81	9.38	9.79	9.69	9.21	8.94
	7	8.09	7.63	7.28	6.94	7.23	7.29	7.95	8.73	9.67	9.83	9.75	9.44	8.66
	8	7.94	7.25	6.69	6.64	7.14	7.75	8.64	9.17	9.84	10.18	9.87	9.40	8.82
	9	7.61	7.43	7.19	7.17	7.49	8.15	8.63	8.97	9.21	9.27	9.18	8.94	8.68
	10	7.12	6.27	6.02	6.07	6.39	6.83	7.34	8.08	8.70	9.03	8.89	8.53	7.99
	11	6.34	5.92	5.51	5.68	6.24	7.02	7.34	7.79	8.21	8.36	8.10	7.84	7.51
	12	7.12	6.52	6.15	5.99	6.25	7.04	7.55	8.13	8.84	9.13	9.27	9.06	7.64
	13	7.38	6.56	6.58	6.41	6.72	7.66	8.24	9.22	9.69	10.09	10.14	9.78	8.31
	14	7.27	6.71	6.36	6.30	7.03	8.08	8.64	9.47	10.06	10.55	10.13	9.68	8.71
	15	8.05	7.71	7.11	7.05	7.17	7.97	8.76	9.27	9.83	10.30	10.20	9.93	8.97
	16	8.51	8.02	7.57	7.48	7.69	8.19	8.44	9.13	9.54	9.72	9.72	9.37	9.10
	17	8.47	7.66	7.14	7.27	7.79	8.61	9.09	9.54	10.16	10.62	10.68	10.23	9.19
	18	9.32	8.65	8.36	8.53	8.88	10.31	11.19	11.43	11.75	11.79	11.41	11.29	10.29
	19	9.45	8.58	8.22	8.08	8.48	9.42	9.71	10.29	11.01	11.51	11.43	10.87	10.34
	20	8.47	7.81	7.73	7.46	7.99	8.77	9.18	9.45	9.93	10.23	10.10	9.72	9.47
	21	8.97	8.09	8.17	8.30	8.83	9.60	9.72	9.98	10.47	10.79	10.61	10.19	9.54
	22	9.38	9.11	8.86	8.87	9.61	10.06	10.75	11.05	11.53	11.84	11.83	11.04	10.30
	23	9.25	8.96	8.81	8.32	8.92	9.38	10.11	10.63	11.21	11.37	11.28	11.23	10.35
	24	9.26	8.58	8.28	8.07	8.37	8.94	9.43	10.28	10.61	10.94	10.83	10.57	10.06
	25	8.44	7.96	7.71	7.35	8.41	9.57	9.88	10.05	10.27	10.50	10.28	9.75	9.68
	26	8.18	7.73	7.83	7.89	8.49	8.97	9.03	9.18	9.55	9.72	9.53	9.19	9.21
	27	8.01	7.25	6.98	7.05	6.74	7.66	7.96	8.57	9.14	9.40	9.44	9.15	8.74
	28	7.08	6.72	6.61	6.41	6.68	7.39	8.16	8.73	9.09	9.58	9.68	8.97	8.31
	29	7.93	7.29	7.02	7.08	7.32	8.16	9.03	9.58	10.34	10.39	10.18	9.72	8.88
	30	7.88	7.36	7.00	7.31	7.62	8.03	8.92	9.33	9.88	10.08	9.73	9.48	8.86
	31	7.12	6.56	6.56	6.57	6.90	7.38	8.06	8.61	8.82	9.00	8.79	8.53	8.35
Hourly Means.		8.24	7.66	7.38	7.31	7.71	8.44	9.00	9.49	10.01	10.30	10.18	9.79	9.18

STANDARD THERMOMETER.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
OCTOBER.	1	74.3	73.7	73.1	72.9	72.4	72.0	73.7	77.6	81.1	84.3	87.2	87.2	—
	2	76.4	75.8	75.0	74.3	73.4	73.0	74.2	78.3	82.3	85.1	86.5	85.0	—
	3	76.0	75.4	74.5	74.1	73.8	73.5	74.5	77.6	82.5	86.4	88.4	86.1	—
	4	75.6	74.7	74.2	73.6	73.5	73.5	74.3	79.2	83.5	85.6	87.8	84.5	—
	5	75.8	75.4	75.1	74.0	73.8	73.0	74.6	78.4	82.6	85.5	87.2	87.0	—
	6	77.4	76.6	76.6	76.5	76.6	76.6	76.6	76.8	77.3	80.3	81.5	83.8	—
	7	73.7	73.6	73.0	73.2	73.0	73.0	74.1	76.0	78.0	82.2	84.0	84.4	—
	8	73.4	73.1	73.3	73.2	73.2	72.8	73.6	76.3	77.9	80.2	81.7	82.6	—
	9	75.0	74.6	74.5	74.2	74.0	73.7	74.7	76.5	81.2	83.2	84.7	85.6	—
	10	75.6	74.5	73.8	73.3	72.8	72.6	74.0	78.1	81.0	82.8	85.5	85.0	—
	11	78.0	77.5	77.0	76.5	76.3	75.6	76.4	80.0	82.0	84.7	84.3	85.7	—
	12	75.8	75.5	75.7	75.6	75.5	75.3	77.0	79.5	81.9	81.4	79.2	83.0	—
	13	75.3	74.3	73.8	73.5	73.2	72.8	73.7	78.5	82.6	84.9	86.8	86.8	—
	14	75.3	75.1	75.0	74.6	74.1	74.1	75.0	77.5	79.7	82.3	85.5	88.5	—
	15	74.2	74.0	73.6	73.0	72.8	72.4	73.6	77.6	81.6	85.1	88.5	91.1	—
	16	75.4	74.8	74.1	73.9	73.4	73.2	74.4	77.1	80.4	83.5	86.9	89.7	—
	17	74.8	73.9	73.4	72.6	72.0	71.9	73.3	76.0	81.5	85.4	86.9	85.4	—
	18	76.3	75.6	75.0	74.5	74.0	73.9	75.2	78.4	81.5	83.9	86.3	87.0	—
	19	73.6	73.6	74.1	74.0	73.5	73.5	75.1	79.3	82.3	84.5	86.1	84.7	—
	20	76.5	76.0	75.3	75.5	75.3	75.0	75.6	78.5	81.7	84.5	83.1	83.0	—
	21	74.1	74.4	74.2	74.0	74.0	74.0	74.9	76.8	79.0	80.9	79.0	84.3	—
	22	74.3	74.1	74.2	73.7	73.0	72.6	74.4	78.0	81.3	84.0	86.5	86.9	—
	23	74.4	74.0	73.4	73.0	73.2	73.3	74.6	78.5	82.4	85.0	88.0	90.0	—
	24	76.6	75.3	74.5	74.2	73.5	73.2	74.6	78.1	82.3	84.3	85.8	86.2	—
	25	76.3	76.1	75.7	74.9	74.2	73.5	75.3	79.2	82.6	84.2	85.7	86.8	—
	26	74.7	74.5	74.7	74.4	74.0	74.0	75.0	77.8	82.3	85.0	87.2	87.0	—
	27	74.6	74.0	73.5	73.2	72.7	72.8	75.0	79.0	83.2	85.4	88.0	90.0	—
	28	75.4	74.6	74.3	73.7	73.3	73.0	75.0	79.0	83.1	86.4	88.4	87.4	—
	29	75.5	75.1	74.7	74.1	73.5	73.1	74.5	79.2	83.0	84.8	87.2	85.0	—
	30	76.1	76.1	75.2	75.2	75.2	75.0	76.5	79.5	83.5	86.2	87.2	89.6	—
	31	76.3	75.9	75.2	74.7	74.2	73.8	75.0	78.2	83.1	86.2	85.7	87.1	—
Hourly Means.		75.38	74.90	74.51	74.13	73.79	73.54	74.79	78.08	81.56	84.14	85.70	86.34	—
Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
OCTOBER.	1	90.0	86.6	86.0	85.0	83.9	82.7	81.6	81.2	80.4	80.0	78.3	77.0	80.09
	2	87.3	86.1	85.6	85.0	84.0	83.0	81.5	80.5	78.9	78.3	77.2	76.8	80.15
	3	87.2	87.4	87.0	86.8	85.4	83.7	82.1	80.8	79.2	78.2	77.3	76.3	80.59
	4	85.0	87.0	83.0	84.1	84.0	83.0	81.8	81.0	79.1	78.4	77.4	76.4	80.01
	5	87.2	86.8	86.0	84.5	83.4	82.5	82.0	81.5	80.4	79.5	78.3	78.0	80.52
	6	86.3	85.1	85.5	84.5	82.3	73.5	72.8	73.2	73.6	74.0	74.0	73.7	78.13
	7	84.8	83.8	83.3	81.8	81.1	80.1	79.5	79.1	75.5	74.1	73.2	73.2	77.82
	8	84.4	84.4	85.4	85.2	83.0	81.7	80.6	79.8	78.8	77.9	77.2	75.8	78.56
	9	86.4	84.0	83.2	83.1	82.4	81.1	80.9	80.5	80.1	78.5	77.3	76.4	79.41
	10	84.0	85.2	84.6	84.0	83.5	82.3	81.4	80.8	80.4	80.1	79.4	79.0	79.74
	11	87.1	87.0	85.8	84.0	83.0	81.6	79.4	78.2	76.6	75.8	76.2	76.1	80.20
	12	82.0	81.0	82.8	82.3	82.0	81.2	80.0	78.4	77.6	77.0	76.4	75.6	78.82
	13	85.4	86.1	82.2	84.2	84.0	82.6	80.6	80.1	78.7	77.7	77.0	76.0	79.62
	14	86.0	86.4	90.4	89.0	86.7	84.0	81.2	79.9	78.1	76.7	76.2	75.2	80.27
	15	87.2	86.1	87.4	88.7	86.8	84.4	81.4	79.6	78.5	77.4	76.9	76.4	80.35
	16	87.0	85.6	85.3	85.0	83.6	82.5	81.6	79.5	78.5	77.3	76.5	75.7	79.79
	17	85.0	85.4	86.2	86.2	84.2	83.0	81.6	80.3	78.6	77.5	77.0	76.6	79.53
	18	86.5	85.3	85.6	80.5	81.7	78.5	75.7	74.7	74.2	74.0	73.8	73.8	78.58
	19	85.7	86.0	85.0	84.6	83.2	82.5	81.9	81.1	80.2	78.3	77.0	76.9	79.86
	20	84.6	83.5	82.7	82.4	82.1	81.5	77.1	75.3	74.9	74.4	74.1	74.3	78.62
	21	79.6	82.6	83.3	83.0	79.5	78.5	75.8	75.4	74.4	74.4	74.6	74.5	77.30
	22	87.1	86.4	86.2	85.4	82.5	78.2	76.6	75.5	75.5	75.0	75.0	74.8	78.80
	23	87.0	86.8	84.8	85.3	84.4	83.6	83.2	82.8	79.2	78.0	77.3	77.0	80.38
	24	86.2	86.0	85.3	84.8	83.6	82.8	81.9	80.6	79.8	79.0	77.9	76.5	80.13
	25	87.1	86.2	85.9	84.8	84.0	78.6	77.0	76.0	75.9	75.2	75.3	75.4	79.41
	26	87.6	85.0	83.5	81.4	80.0	78.1	77.1	77.6	77.5	77.0	76.7	75.6	79.07
	27	87.2	87.2	86.8	84.6	83.7	83.0	81.5	79.5	78.5	77.6	76.6	76.1	80.15
	28	87.5	86.5	83.2	84.8	85.3	83.5	81.8	79.9	78.4	77.4	76.4	75.5	80.16
	29	84.0	85.7	87.1	86.1	84.6	83.5	82.0	80.8	79.7	78.2	77.4	76.5	80.22
	30	90.5	89.7	90.0	87.6	85.7	84.0	82.7	80.6	79.4	78.5	77.4	76.9	81.60
	31	89.0	87.3	86.3	86.0	84.6	83.5	82.0	81.0	79.7	79.0	78.0	77.2	80.79
Hourly Means.		86.19	85.75	85.34	84.67	83.49	81.70	80.20	79.20	78.07	77.24	76.56	75.97	79.63

RELATIVE HUMIDITY OF THE AIR.

SATURATION = 1000.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
OCTOBER.	1	878	877	886	876	884	884	836	744	642	567	499	539	—
	2	857	848	863	878	886	886	870	777	681	620	559	639	—
	3	833	848	879	878	878	869	854	760	584	489	418	550	—
	4	864	880	888	895	887	877	862	764	658	585	537	663	—
	5	889	889	888	904	903	911	879	784	655	529	515	556	—
	6	843	866	866	842	826	850	857	883	867	766	691	653	—
	7	947	912	920	877	886	902	939	802	753	673	615	604	—
	8	929	929	920	911	886	902	877	809	782	730	720	716	—
	9	822	757	772	756	771	787	773	718	609	605	569	566	—
	10	848	862	861	877	885	876	845	776	733	671	592	634	—
	11	852	867	875	899	899	898	874	818	750	636	655	641	—
	12	881	880	881	889	905	914	867	824	764	762	902	747	—
	13	872	888	903	920	937	937	929	831	696	645	577	596	—
	14	889	889	897	904	930	930	939	884	825	751	661	586	—
	15	870	862	861	869	877	876	853	767	679	587	440	393	—
	16	864	871	887	887	894	894	870	819	737	632	573	477	—
	17	905	895	877	867	874	849	827	801	630	614	567	634	—
	18	882	905	897	897	896	904	880	807	742	628	558	579	—
	19	929	929	930	930	938	938	914	816	758	676	637	683	—
	20	874	899	898	898	905	914	898	838	757	669	725	724	—
	21	938	930	939	947	947	947	930	883	863	805	847	721	—
	22	896	904	896	895	911	929	888	807	719	622	613	609	—
	23	904	904	903	911	894	903	863	771	689	626	520	490	—
	24	866	905	904	897	903	903	913	830	702	669	630	619	—
	25	882	890	898	914	904	895	856	824	717	695	605	592	—
	26	904	904	904	904	912	912	888	829	654	594	557	543	—
	27	904	904	911	903	902	885	847	801	677	615	554	473	—
	28	905	913	904	903	903	903	863	771	664	589	535	605	—
	29	864	880	888	896	895	903	863	771	676	600	580	676	—
	30	906	906	914	931	905	905	883	809	692	643	604	532	—
	31	906	906	914	922	921	921	905	837	719	619	675	647	—
Hourly Means.		884	887	891	893	895	897	876	805	712	642	604	603	—
Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
OCTOBER.	1	495	566	588	582	622	670	728	769	804	825	830	834	726
	2	557	551	597	600	680	711	741	767	784	783	819	803	740
	3	543	598	609	577	620	646	743	761	793	821	844	865	719
	4	665	579	675	700	589	642	713	768	801	807	835	857	750
	5	549	541	562	642	672	709	728	748	774	809	821	836	737
	6	576	632	639	648	729	903	919	929	938	956	956	947	816
	7	631	665	704	735	761	803	816	831	889	912	946	937	811
	8	642	623	577	602	617	706	760	772	762	852	875	872	782
	9	570	621	630	643	627	704	746	782	788	777	796	825	709
	10	662	634	657	674	672	709	762	782	804	818	832	839	763
	11	592	567	598	653	717	762	816	806	882	873	865	865	778
	12	808	827	738	709	728	776	818	877	892	900	916	915	838
	13	691	681	785	702	655	642	716	759	808	845	859	873	781
	14	628	643	372	440	460	596	683	743	791	818	833	856	748
	15	558	582	546	403	507	585	691	727	761	788	818	833	697
	16	597	641	672	665	705	751	784	840	854	884	899	906	775
	17	670	666	624	618	667	738	770	796	854	892	875	874	766
	18	612	639	667	856	792	792	872	879	896	912	929	921	806
	19	578	610	651	656	703	737	777	805	841	877	907	883	796
	20	696	713	724	744	750	770	883	930	922	930	930	930	830
	21	848	752	725	739	809	792	881	898	901	913	904	888	865
	22	653	607	637	646	668	672	732	823	832	871	871	879	774
	23	627	632	689	684	722	740	767	774	809	837	867	851	766
	24	656	636	639	612	672	723	771	811	840	823	845	882	777
	25	651	656	642	638	700	778	831	864	861	888	897	880	790
	26	581	613	645	712	786	836	831	820	820	813	842	872	780
	27	628	646	620	675	699	710	741	809	846	876	907	899	768
	28	581	626	773	650	620	672	728	780	814	828	826	848	759
	29	741	667	622	649	716	712	764	789	833	853	875	899	776
	30	542	516	502	576	641	727	752	811	839	869	892	900	758
	31	604	622	656	668	702	748	800	835	855	854	876	891	792
Hourly Means.		627	631	638	648	678	725	776	809	835	856	871	876	773

DIRECTION OF THE WIND.

Mean Batavia Time.	1 A. M.	2	3	4	5	6	7	8	9	10	11	12
OCTOBER.	1	C	C	NE	C	C	NE	NE	NE	NNE	ENE	ENE
	2	C	C	C	C	C	C	N	N	N	N	N
	3	C	C	C	C	C	C	N	E	E	E	E
	4	C	C	C	C	C	C	ENE	SE	ESE	ENE	NNE
	5	C	C	C	C	C	C	NE	ESE	ESE	E	NNE
	6	C	C	C	NE	ENE	ENE	ENE	ENE	ESE	E	ENE
	7	C	SSW	C	SSW	C	C	C	SSW	SSW	S	S
	8	SE	SE	SSE	SSE	S	S	S	S	SSE	E	E
	9	C	NNE	NNE	C	C	C	C	E	SE	SE	NE
	10	C	C	C	C	C	C	SE	SE	E	ENE	N
	11	C	C	C	NNE	C	ENE	C	ENE	E	ENE	NNE
	12	C	C	C	C	C	C	C	SE	NE	NE	NE
	13	C	C	C	C	C	C	N	E	E	SE	NE
	14	C	NE	C	C	C	C	C	NE	ENE	ENE	E
	15	C	C	C	C	C	C	ENE	E	SE	E	SE
	16	C	C	C	C	C	C	ENE	ENE	E	E	S
	17	C	C	C	C	C	C	NNE	NNE	ESE	E	NE
	18	C	C	C	C	C	C	NE	NE	E	E	E
	19	C	C	C	C	C	C	S	SE	E	E	NNE
	20	C	C	NNE	NE	C	C	NE	E	ESE	NE	NNE
	21	C	C	C	C	C	C	C	C	NNE	NNE	NE
	22	C	C	C	C	C	C	E	C	E	ESE	NE
	23	C	C	C	C	C	C	C	SW	SE	SE	SE
	24	NNW	NNW	C	C	C	C	C	C	NW	N	NNE
	25	C	C	C	C	C	C	C	NNE	NE	NNE	N
	26	C	C	C	C	C	C	C	C	S	SSW	WSW
	27	C	C	C	C	C	C	SW	SSW	ESE	ESE	E
	28	C	C	C	C	C	NNE	NNE	C	ENE	E	NNE
	29	C	C	C	C	C	C	NE	ENE	ESE	ESE	NE
	30	C	C	C	C	C	C	ENE	E	ESE	ESE	E
	31	C	C	C	C	C	C	NE	E	ESE	NNE	NNE

Mean Batavia Time.	1 P. M.	2	3	4	5	6	7	8	9	10	11	12
OCTOBER.	1	N	N	N	N	N	C	C	C	C	C	C
	2	N	N	N	N	N	N	C	C	C	C	C
	3	ENE	NE	NNE	NNE	NE	NE	C	C	C	C	C
	4	N	SE	SW	N	NE	NE	C	C	C	C	C
	5	N	NNE	NNE	NNE	NE	NE	C	C	C	C	C
	6	NE	NNE	NNE	NE	N	SSW	C	C	C	C	C
	7	N	N	NNE	NNW	NNW	NNW	C	ENE	ESE	ESE	SE
	8	ESE	ENE	E	NE	NNE	NNE	C	C	C	C	C
	9	NE	NNE	NNE	N	NNE	NNE	C	C	NNE	E	E
	10	NNE	NNE	NNE	N	NNE	NNE	C	C	C	C	C
	11	N	NNE	NNE	NNE	NNE	NE	SSE	SSE	S	C	C
	12	E	E	N	N	N	C	C	C	C	C	C
	13	NNE	N	N	NE	NE	NE	C	C	C	C	C
	14	N	NNE	ENE	E	ENE	ENE	C	C	C	C	C
	15	N	N	N	ENE	E	ENE	C	C	C	C	C
	16	N	N	N	NNE	N	C	C	C	C	C	C
	17	N	NNW	NNE	ENE	NE	NE	C	C	NE	C	C
	18	NE	NNE	NNE	ENE	ENE	SSE	SW	SW	C	C	C
	19	N	NNE	NNE	NE	NNE	NNE	NNE	NE	NNE	C	C
	20	NNE	NNE	N	NNE	N	NNE	NNE	C	C	C	C
	21	NE	N	NNW	NNW	WSW	WSW	C	C	C	C	C
	22	N	N	N	N	SSW	SW	SW	C	C	C	C
	23	N	NNE	NNW	N	N	N	C	N	NNW	C	C
	24	N	N	NNE	NNE	NNE	C	C	C	C	C	C
	25	NE	NNE	NNE	NNE	SE	S	S	S	C	C	C
	26	WSW	NNE	WNW	WNW	WSW	SW	SW	C	SW	C	C
	27	NNE	NNE	NNE	NE	NNE	NNE	C	C	C	C	C
	28	N	NNE	NE	NE	NE	NE	C	C	C	NE	C
	29	N	NNE	E	NE	NE	ENE	C	C	C	C	C
	30	E	E	E	ENE	ENE	NE	C	C	C	C	C
	31	NE	NNE	NE	NE	NE	NE	C	C	C	C	C

VELOCITY OF THE WIND IN KILOMETERS PER HOUR.

Mean Batavia Time.		1 A.M.	2	3	4	5	6	7	8	9	10	11	12	—
OCTOBER.	1	0.0	0.0	0.8	0.0	0.0	0.8	0.8	0.8	1.6	3.2	8.0	7.2	—
	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.6	1.6	4.0	8.0	—
	3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	7.2	10.5	12.9	12.9	—
	4	0.0	0.0	0.0	0.0	0.0	0.0	2.4	2.4	6.4	8.0	11.3	10.5	—
	5	0.0	0.0	0.0	0.0	0.0	0.0	0.8	2.4	8.0	9.7	10.5	13.7	—
	6	0.0	0.0	0.0	0.8	1.6	1.6	2.4	4.8	5.6	3.2	2.4	4.8	—
	7	0.0	0.8	0.0	0.8	0.0	0.0	0.0	0.0	0.8	4.0	3.2	0.8	—
	8	0.8	1.6	0.8	0.8	0.8	0.8	4.0	4.8	4.8	6.4	9.7	9.7	—
	9	0.0	0.8	0.8	0.0	0.0	0.0	0.0	0.0	4.0	3.2	4.0	4.0	—
	10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	3.2	4.8	10.5	—
	11	0.0	0.0	0.0	0.8	0.0	0.8	0.0	0.8	1.6	4.8	6.4	11.3	—
	12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	5.6	1.6	5.6	—
	13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	10.5	8.9	8.0	8.0	—
	14	0.0	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.8	3.2	8.0	9.7	—
	15	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.6	2.4	6.4	14.5	14.5	—
	16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	1.6	1.6	5.6	—
	17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	3.2	8.0	8.9	8.9	—
	18	0.0	0.0	0.0	0.0	0.0	0.0	0.8	3.2	1.6	6.4	5.6	3.2	—
	19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	3.2	4.8	7.2	12.9	—
	20	0.0	0.0	0.8	0.8	0.0	0.0	0.8	0.8	4.0	6.4	7.2	9.7	—
	21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	4.8	9.7	—
	22	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.0	0.8	1.6	4.8	6.4	—
	23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.6	1.6	4.0	4.8	—
	24	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.6	2.4	8.0	—
	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	2.4	7.2	—
	26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	4.0	3.2	—
	27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	3.2	4.8	4.8	10.5	—
	28	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.0	1.6	8.9	14.5	12.1	—
	29	0.0	0.0	0.0	0.0	0.0	0.0	0.8	3.2	8.0	10.5	11.3	7.2	—
	30	0.0	0.0	0.0	0.0	0.0	0.0	4.8	8.0	12.9	16.9	17.7	18.5	—
	31	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.6	6.4	8.0	12.1	13.7	—
Hourly Means.		0.05	0.18	0.10	0.13	0.08	0.15	0.67	1.47	3.49	5.46	7.18	8.80	—
Mean Batavia Time.		1 P.M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
OCTOBER.	1	12.9	14.5	10.5	8.0	5.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0	3.18
	2	11.3	15.3	15.3	13.7	6.4	1.6	0.8	0.0	0.0	0.0	0.0	0.0	3.35
	3	16.9	20.9	17.7	17.7	14.5	9.7	3.2	0.0	0.0	0.0	0.0	0.0	6.04
	4	11.3	10.5	4.0	8.9	4.8	1.6	0.8	0.0	0.0	0.0	0.0	0.0	3.45
	5	15.3	16.1	16.9	12.1	8.9	4.0	0.0	0.0	0.0	0.0	0.0	0.0	4.93
	6	4.8	12.9	13.7	16.1	11.3	4.0	0.0	0.0	0.0	0.0	0.0	0.0	3.75
	7	8.9	11.3	12.1	8.9	5.6	1.6	0.8	0.0	9.7	1.6	2.4	0.8	3.09
	8	6.4	3.2	4.0	9.7	7.2	2.4	0.0	0.0	0.0	0.0	0.0	0.0	3.25
	9	10.5	12.9	10.5	7.2	8.9	1.6	0.0	0.0	0.0	0.8	1.6	0.8	2.98
	10	12.9	12.1	12.1	8.0	8.0	4.8	0.8	0.0	0.0	0.0	0.0	0.0	3.35
	11	12.1	16.1	16.1	14.5	8.9	3.2	1.6	3.2	1.6	2.4	0.0	0.0	4.43
	12	3.2	1.6	5.6	3.2	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.30
	13	5.6	7.2	4.8	5.6	6.4	1.6	0.0	0.0	0.0	0.0	0.0	0.0	2.88
	14	8.9	14.5	23.3	24.9	22.5	12.1	3.2	0.0	0.0	0.0	0.0	0.0	5.53
	15	15.3	15.3	14.5	16.1	14.5	2.4	0.0	0.0	0.0	0.0	0.0	0.0	4.93
	16	12.9	11.3	9.7	8.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.41
	17	8.9	8.9	12.9	15.3	12.9	4.0	1.6	0.0	0.0	0.8	0.0	0.0	3.96
	18	11.3	12.9	14.5	14.5	6.4	6.4	4.0	1.6	0.0	0.0	0.0	0.0	3.85
	19	16.1	18.5	14.5	14.5	7.2	4.0	0.8	0.8	1.6	0.8	0.0	0.0	4.49
	20	15.3	14.5	11.3	9.7	4.0	1.6	4.0	3.2	0.0	0.0	0.0	0.0	3.92
	21	6.4	9.7	3.2	3.2	3.2	6.4	0.0	0.0	0.0	0.0	0.0	0.0	2.08
	22	12.9	13.7	9.7	7.2	4.0	0.8	1.6	0.8	0.0	0.0	0.0	0.0	2.71
	23	13.7	16.1	8.9	10.5	6.4	0.8	0.0	0.8	0.8	0.0	0.0	0.0	2.95
	24	13.7	14.5	15.3	12.1	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.08
	25	14.5	16.1	16.9	15.3	11.3	3.2	4.8	3.2	0.8	0.0	0.0	0.0	4.09
	26	4.0	11.3	6.4	0.8	4.8	7.2	3.2	0.0	0.0	1.6	0.0	0.0	2.04
	27	13.7	12.1	12.1	11.3	8.0	1.6	0.0	0.0	0.0	0.0	0.0	0.0	3.45
	28	14.5	15.3	11.3	12.9	10.5	4.0	0.0	0.0	0.0	0.0	0.8	0.0	4.50
	29	6.4	11.3	13.7	12.9	6.4	1.6	0.0	0.0	0.0	0.0	0.0	0.0	3.89
	30	17.7	15.3	13.7	12.1	8.9	4.8	0.8	0.0	0.0	0.0	0.0	0.0	6.31
	31	19.3	20.9	18.5	16.1	10.5	4.0	0.0	0.0	0.0	0.0	0.0	0.0	5.50
Hourly Means.		11.54	13.12	12.05	11.32	8.04	3.31	1.03	0.44	0.47	0.26	0.15	0.05	3.73

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BATAVIA 1884. METEOROLOGICAL OBSERVATIONS.

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CLOUDS.

CLEAR = 0. — OVERCAST = 10.

Mean Batavia Time.		I A. M.	2	3	4	5	6	7	8	9	10	11	12	—
OCTOBER.	1	1	0	1	1	0	0	0	0	0	0	2	3	—
	2	5	6	3	2	3	6	3	1	3	4	7	6	—
	3	6	7	4	4	3	2	7	5	6	4	6	9	—
	4	1	2	1	5	4	2	1	2	4	3	6	7	—
	5	5	5	3	4	3	5	1	1	0	0	6	6	—
	6	6	8	10	8	9	10	10	10	10	10	10	8	—
	7	9	6	8	10	8	10	10	9	8	6	7	10	—
	8	4	3	6	2	4	2	9	8	9	9	9	8	—
	9	6	10	10	10	10	8	4	2	3	6	7	7	—
	10	3	2	2	3	4	3	1	1	1	5	2	3	—
	11	9	8	9	9	10	7	8	8	7	9	8	8	—
	12	7	6	8	9	7	8	9	4	5	10	10	8	—
	13	7	8	6	3	3	4	8	7	7	6	6	8	—
	14	4	9	10	10	8	5	3	2	4	3	5	3	—
	15	2	2	1	2	2	3	2	1	1	3	2	1	—
	16	4	5	3	2	2	5	8	10	10	9	7	7	—
	17	2	0	1	2	4	8	7	6	5	7	8	10	—
	18	7	5	3	3	4	2	8	6	7	6	9	7	—
	19	6	10	10	10	6	4	2	4	3	6	7	7	—
	20	10	9	10	9	10	9	10	4	7	6	7	10	—
	21	9	9	8	7	9	9	10	9	6	7	10	10	—
	22	7	8	6	2	3	3	1	1	0	2	3	6	—
	23	3	3	2	1	4	3	4	3	3	2	3	4	—
	24	10	10	7	8	6	6	1	0	2	6	6	7	—
	25	5	5	3	1	2	3	2	1	1	3	6	5	—
	26	9	8	7	6	8	8	9	7	4	3	6	8	—
	27	2	2	1	3	4	5	1	1	3	3	3	3	—
	28	3	2	2	4	3	0	4	5	4	5	7	7	—
	29	8	9	7	7	6	4	2	1	4	4	6	7	—
	30	6	4	6	7	3	4	1	1	2	4	7	4	—
	31	6	3	2	1	2	4	5	3	3	5	8	6	—
Hourly Means.		5.5	5.6	5.2	5.0	5.0	4.9	4.9	4.0	4.3	5.0	6.3	6.5	—
Mean Batavia Time.		I P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
OCTOBER.	1	1	0	0	2	1	4	6	4	7	7	8	7	2.3
	2	3	2	2	3	6	6	9	6	5	10	4	4	4.5
	3	7	7	6	3	7	8	9	2	0	1	2	3	4.9
	4	7	9	8	9	9	9	9	7	10	7	3	3	5.3
	5	3	0	0	2	1	3	8	8	9	6	8	3	3.8
	6	8	7	6	7	10	10	10	10	9	10	6	4	8.6
	7	10	10	8	9	9	10	6	10	10	10	8	6	8.6
	8	7	7	6	4	8	6	7	8	6	10	6	6	6.4
	9	8	9	10	9	7	9	7	8	7	8	7	3	7.3
	10	4	2	0	1	3	2	3	7	9	5	4	6	3.2
	11	6	2	1	4	10	10	9	9	10	10	10	10	8.0
	12	10	10	9	9	10	10	6	7	7	6	4	5	7.7
	13	8	9	10	9	8	10	9	8	8	6	4	3	6.9
	14	7	4	5	4	5	3	4	3	4	5	4	2	4.8
	15	4	2	0	0	2	1	3	2	2	5	7	6	2.3
	16	4	5	4	5	6	4	9	9	6	4	7	3	5.8
	17	9	9	8	8	9	8	5	4	6	6	9	10	6.3
	18	7	9	7	9	9	10	10	8	7	7	5	5	6.7
	19	3	2	3	3	9	10	9	8	10	10	10	10	6.8
	20	6	4	2	2	4	7	10	8	9	9	9	8	7.5
	21	8	6	6	9	10	10	10	10	9	9	10	10	8.8
	22	3	2	4	9	10	9	6	5	6	5	6	4	4.6
	23	7	6	8	7	9	9	10	10	10	9	10	6	5.7
	24	3	6	7	6	6	5	5	9	7	2	3	4	5.5
	25	8	6	6	4	8	9	9	8	8	9	9	10	5.5
	26	8	9	10	10	10	10	8	8	6	7	3	3	7.3
	27	4	3	6	9	7	5	4	3	2	5	3	6	3.7
	28	3	6	9	7	3	2	2	2	3	4	2	4	3.9
	29	9	9	9	8	9	8	7	8	6	6	6	7	6.5
	30	6	4	3	3	4	7	8	5	4	3	3	4	4.3
	31	6	7	10	9	8	6	8	8	6	5	7	4	5.5
Hourly Means.		6.0	5.6	5.6	5.9	7.0	7.1	7.3	6.8	6.7	6.6	6.0	5.5	5.76

BAROMETRIC PRESSURE.

BAROMETER AT 0°C = 750 MILLIMETRES + THE NUMBERS IN THE TABLE.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
NOVEMBER.	1	8.05	7.68	7.71	8.00	8.12	8.60	8.95	9.28	9.22	9.03	8.61	7.87	—
	2	8.01	7.55	7.31	7.58	7.80	7.91	8.46	8.82	8.92	8.71	8.23	7.50	—
	3	7.76	7.22	7.26	7.15	7.32	7.33	7.76	8.04	8.13	8.05	7.58	7.04	—
	4	8.27	8.15	7.92	7.80	7.58	7.71	7.88	8.43	8.49	8.11	7.75	7.27	—
	5	7.84	7.36	6.97	6.94	7.01	7.23	7.56	8.20	8.09	7.86	7.54	6.94	—
	6	7.37	6.89	6.80	6.82	7.04	7.46	7.82	8.15	8.20	7.78	7.22	6.94	—
	7	7.15	6.72	6.25	6.52	6.80	6.82	7.09	7.64	7.71	7.68	7.06	6.88	—
	8	8.05	7.76	7.29	7.52	7.88	7.88	8.17	8.45	8.40	8.07	7.59	7.34	—
	9	8.16	7.84	7.77	7.80	8.37	8.80	9.07	9.30	9.37	9.21	8.78	8.08	—
	10	8.77	8.35	8.22	8.32	8.50	9.17	9.58	9.78	9.83	9.62	9.05	8.29	—
	11	8.44	7.90	7.69	7.77	7.97	8.40	8.85	9.24	9.39	9.36	8.99	8.37	—
	12	8.88	8.54	8.30	8.27	8.75	9.37	9.79	10.24	10.18	10.11	9.52	8.96	—
	13	8.76	8.50	8.49	8.95	8.95	9.30	9.89	10.54	10.64	10.26	9.82	9.02	—
	14	8.90	8.72	8.67	8.56	8.59	8.96	9.50	9.88	9.87	9.68	9.29	8.34	—
	15	8.06	7.99	7.55	7.72	8.22	8.42	9.15	9.50	9.88	9.77	9.30	8.37	—
	16	9.12	8.77	8.53	8.40	8.82	9.18	10.13	10.31	10.40	10.23	9.99	8.92	—
	17	9.44	9.17	9.09	8.85	9.21	9.55	10.46	10.99	11.08	11.02	10.48	9.47	—
	18	10.54	9.74	9.55	9.62	9.99	10.28	10.49	10.59	10.58	10.23	9.52	8.58	—
	19	8.44	8.06	7.69	7.80	8.20	8.42	9.16	9.33	9.48	9.72	9.36	8.97	—
	20	8.84	8.40	8.06	7.91	7.97	8.38	8.91	9.15	9.16	9.14	8.70	8.06	—
	21	8.33	7.85	7.69	7.56	8.01	8.69	9.45	9.65	9.67	9.51	9.04	8.26	—
	22	8.72	8.39	8.05	7.76	8.26	8.80	9.32	9.33	9.48	9.38	8.93	8.63	—
	23	8.30	7.87	7.68	7.85	8.16	8.85	8.97	9.31	9.37	9.03	8.78	7.99	—
	24	8.65	8.32	8.05	8.17	8.20	8.51	8.98	9.16	9.40	9.06	8.59	7.88	—
	25	7.97	7.62	7.39	7.41	7.67	8.18	8.76	9.17	9.06	8.80	8.31	7.73	—
	26	8.02	7.80	7.76	7.92	8.12	8.57	9.33	9.66	9.76	9.40	8.90	8.33	—
	27	8.00	7.71	7.77	7.92	7.97	8.68	8.90	9.22	9.63	9.44	9.04	8.24	—
	28	8.61	7.92	7.47	7.53	8.20	8.67	8.91	9.41	9.64	9.39	9.09	8.20	—
	29	9.16	8.62	8.28	8.11	8.67	9.15	9.48	9.69	9.80	9.47	8.88	8.37	—
	30	9.17	8.78	8.58	8.38	8.68	8.93	9.30	9.44	9.59	9.52	8.96	8.33	—
Hourly Means.		8.46	8.07	7.86	7.90	8.17	8.54	9.00	9.33	9.41	9.22	8.76	8.11	—
Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
NOVEMBER.	1	6.90	6.68	6.31	6.26	6.70	7.64	8.07	8.26	8.70	8.81	8.52	8.30	8.01
	2	7.03	6.57	6.19	6.14	6.34	6.69	7.18	7.87	8.11	8.43	8.20	8.02	7.65
	3	6.34	6.16	7.34	6.39	6.24	7.06	7.44	8.05	8.75	9.10	9.21	8.87	7.57
	4	6.81	5.89	5.57	5.38	6.27	6.86	7.32	7.63	8.23	8.49	8.29	8.17	7.51
	5	6.13	5.63	5.36	5.08	5.64	6.34	7.19	7.60	8.05	8.39	8.13	7.95	7.13
	6	6.11	5.78	5.32	5.27	5.63	6.33	6.89	7.33	7.54	7.88	8.04	7.69	7.01
	7	6.48	6.44	6.32	6.20	6.73	6.92	7.84	8.78	8.90	8.86	9.08	8.95	7.33
	8	6.58	5.92	5.51	5.21	5.63	6.83	7.37	8.04	8.74	8.64	8.70	8.49	7.50
	9	7.42	7.06	6.47	6.38	7.03	7.63	8.83	9.68	9.68	9.87	9.69	9.00	8.39
	10	7.53	7.09	6.54	6.73	7.18	7.69	8.38	8.93	9.69	9.81	9.48	9.23	8.57
	11	7.94	7.59	7.08	6.93	7.34	7.93	8.60	9.13	9.60	9.87	9.77	9.33	8.48
	12	8.48	7.93	7.43	7.38	7.84	8.01	8.94	9.52	10.03	10.16	9.88	9.43	9.00
	13	8.33	7.56	7.30	7.21	7.38	8.09	8.82	9.21	9.66	9.89	9.62	9.24	8.98
	14	7.31	6.45	6.27	6.21	6.36	6.93	8.11	8.78	9.12	9.08	8.95	8.50	8.38
	15	7.58	6.84	6.34	7.37	7.49	7.90	8.47	9.00	9.54	9.60	9.53	9.21	8.45
	16	8.07	7.22	7.05	7.71	8.18	8.05	8.59	9.30	10.14	10.68	10.53	10.19	9.10
	17	8.77	8.17	8.25	7.96	8.55	9.24	9.88	10.45	10.92	11.08	10.94	10.85	9.74
	18	7.89	7.09	6.52	6.23	6.49	7.23	7.62	8.42	9.02	9.43	9.37	9.08	8.92
	19	8.20	7.27	7.15	7.35	7.32	7.88	8.64	9.29	9.48	9.27	9.30	9.17	8.54
	20	7.38	6.66	6.20	5.86	6.26	7.27	8.13	9.06	9.71	9.63	9.43	8.78	8.21
	21	7.84	7.30	6.85	6.87	7.06	7.63	8.22	8.83	9.14	9.20	9.20	8.96	8.37
	22	7.98	7.73	7.54	7.25	7.65	8.29	8.85	9.27	9.53	9.54	9.65	9.09	8.64
	23	7.16	6.48	5.93	6.20	6.60	7.17	8.14	8.66	9.06	8.96	9.26	9.45	8.13
	24	7.29	6.85	6.98	6.76	7.00	7.82	8.45	8.86	9.40	9.37	8.95	8.76	8.31
	25	6.98	6.56	6.31	6.00	6.47	7.49	7.80	8.50	8.82	8.70	8.40	8.16	7.84
	26	7.75	7.03	6.55	7.43	7.66	8.66	9.35	10.24	10.30	10.31	9.81	8.88	8.65
	27	7.48	7.37	7.12	7.15	7.96	8.35	8.64	9.49	9.81	9.78	9.36	9.01	8.50
	28	7.55	7.04	6.78	7.63	8.47	8.57	9.44	10.00	10.35	10.31	9.98	9.64	8.70
	29	7.54	6.84	6.42	6.40	6.93	7.98	8.73	9.42	9.75	9.94	9.88	9.55	8.63
	30	7.60	7.09	6.88	6.73	7.35	8.09	8.70	9.14	9.33	9.65	9.55	8.94	8.61
Hourly Means.		7.42	6.88	6.60	6.59	6.99	7.62	8.29	8.89	9.30	9.42	9.29	8.96	8.30

STANDARD THERMOMETER.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
NOVEMBER.	1	76.2	75.7	75.2	74.9	74.5	74.0	76.0	80.5	83.6	85.7	86.6	88.0	—
	2	73.8	73.5	73.2	73.0	72.6	72.6	74.2	76.8	80.0	82.4	85.0	85.3	—
	3	75.5	74.9	74.5	74.0	73.6	73.6	75.7	79.5	82.7	85.5	87.5	86.5	—
	4	75.3	75.0	73.9	72.9	72.9	72.7	73.7	77.0	80.4	83.9	85.7	86.5	—
	5	74.8	74.4	74.0	73.4	72.9	72.7	74.1	78.6	81.7	84.7	87.7	86.6	—
	6	75.6	75.4	75.1	74.7	74.4	74.5	75.6	78.6	82.5	85.7	86.5	87.1	—
	7	75.7	75.1	74.6	74.3	73.7	74.0	75.6	79.1	83.6	86.7	88.9	85.5	—
	8	75.5	74.8	74.5	74.1	73.5	73.4	75.2	78.8	83.0	85.9	86.0	86.3	—
	9	76.0	75.6	75.1	74.6	74.2	73.8	75.1	78.6	82.3	84.1	87.4	89.5	—
	10	73.2	72.9	72.9	72.9	72.5	72.5	73.7	77.5	81.7	84.0	86.2	87.0	—
	11	75.6	75.1	74.7	74.9	74.4	74.2	75.8	79.9	82.5	84.0	86.0	85.8	—
	12	76.9	76.6	76.4	76.0	75.0	74.5	76.0	79.9	83.4	86.0	86.3	86.1	—
	13	76.5	76.0	75.5	75.1	74.6	74.3	76.0	79.6	82.6	84.8	85.5	87.4	—
	14	76.5	75.7	75.2	74.8	74.0	73.6	75.5	79.5	82.3	83.0	84.6	87.0	—
	15	75.5	75.2	74.8	75.0	74.9	74.4	75.2	76.7	78.9	80.6	82.2	84.0	—
	16	73.8	73.3	73.3	73.0	72.6	72.3	74.0	77.5	80.9	83.6	85.7	87.8	—
	17	75.5	75.0	74.8	74.5	74.2	74.3	75.4	78.7	82.6	84.2	86.4	88.0	—
	18	75.0	74.5	74.0	74.2	74.3	74.1	74.8	75.5	78.1	80.5	84.1	85.8	—
	19	78.2	77.5	76.8	76.3	76.0	76.0	76.5	78.5	79.9	81.6	83.6	83.0	—
	20	74.9	74.7	74.4	73.7	73.2	73.1	74.9	78.5	81.8	83.8	86.5	87.7	—
	21	77.7	76.3	75.6	75.1	74.3	74.1	75.9	79.1	82.2	84.6	84.8	86.6	—
	22	76.0	75.8	75.6	75.2	75.0	74.5	75.4	77.6	80.4	82.2	82.4	79.4	—
	23	74.5	74.0	73.4	73.4	73.2	73.1	74.1	77.4	79.8	82.7	84.5	85.9	—
	24	75.0	74.4	74.0	73.9	73.6	73.6	73.6	75.4	78.6	80.2	83.2	84.6	—
	25	74.3	74.2	73.8	73.3	73.2	73.2	74.6	76.6	78.9	81.2	83.5	85.5	—
	26	75.0	75.0	74.8	74.9	74.7	74.4	74.7	75.8	77.5	80.3	82.0	83.4	—
	27	73.3	73.0	72.8	73.2	73.2	73.0	73.9	76.1	78.8	80.4	82.0	84.4	—
	28	74.1	73.7	73.4	73.0	73.2	73.1	74.1	76.0	79.2	80.8	82.2	84.0	—
	29	74.2	74.0	73.5	73.1	73.1	72.9	74.1	77.3	79.6	82.3	84.0	85.0	—
	30	75.3	75.0	74.8	74.6	74.4	74.6	75.0	76.8	78.8	80.5	81.4	83.0	—
Hourly Means.		75.31	74.88	74.49	74.20	73.86	73.70	74.95	77.91	80.94	83.20	84.95	85.76	—
Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
NOVEMBER.	1	88.6	87.2	85.9	85.9	84.5	81.4	74.2	74.5	75.0	74.6	74.6	74.0	79.64
	2	84.6	81.4	83.5	85.1	83.6	82.4	81.0	79.0	77.8	77.0	76.4	75.6	78.87
	3	85.6	84.1	74.4	75.0	77.7	77.4	76.7	76.5	75.7	75.6	75.7	75.6	78.06
	4	86.1	85.2	84.8	83.7	83.2	82.0	79.3	77.7	76.5	76.1	75.7	75.0	78.97
	5	86.3	85.6	84.7	85.6	84.5	82.1	80.2	79.1	78.1	77.3	76.6	76.1	79.66
	6	86.0	86.0	86.6	87.2	86.0	84.0	82.6	80.6	79.0	78.2	77.5	76.7	80.67
	7	82.9	83.2	80.6	81.2	81.0	80.0	79.1	78.3	78.0	77.5	76.3	75.8	79.20
	8	86.4	85.4	85.6	85.5	84.4	83.7	82.1	79.5	78.7	77.9	77.0	76.3	80.15
	9	88.0	86.6	86.4	85.2	84.0	83.2	78.8	74.8	74.9	74.6	73.7	73.7	79.59
	10	87.5	86.5	86.0	85.0	84.5	83.2	82.0	80.8	79.0	77.7	76.7	76.0	79.66
	11	85.0	84.0	85.2	84.6	83.7	81.7	80.0	78.9	78.2	78.0	77.6	77.2	79.88
	12	86.0	85.4	85.5	84.4	83.6	82.6	81.8	80.4	79.0	78.2	77.6	77.0	80.61
	13	86.0	87.0	86.0	85.9	84.6	80.4	80.0	79.3	78.5	78.0	77.3	76.9	80.33
	14	87.6	87.4	85.7	84.0	84.2	84.3	83.4	82.6	79.0	78.0	76.5	76.0	80.43
	15	85.0	85.3	83.6	76.4	75.5	75.0	75.5	75.5	75.1	74.7	74.3	74.2	77.40
	16	88.0	89.1	86.6	84.3	78.5	78.1	77.0	76.6	76.6	76.7	76.2	75.6	78.80
	17	90.3	88.5	80.2	78.4	79.2	78.0	77.8	77.2	77.2	77.2	76.6	76.0	79.18
	18	86.3	88.2	87.6	87.0	86.3	84.5	82.5	81.1	80.5	79.7	79.0	78.6	80.26
	19	78.8	81.2	82.3	81.4	79.0	76.6	76.8	76.0	76.1	75.9	75.4	74.7	78.25
	20	88.6	89.7	88.9	89.5	89.2	86.5	84.8	83.2	80.8	80.0	78.8	78.2	81.48
	21	87.0	86.6	85.1	83.7	79.6	79.0	78.3	77.6	77.8	77.8	77.2	76.6	79.69
	22	81.0	78.0	77.7	77.5	77.4	76.8	76.4	76.0	75.6	75.4	75.4	74.7	77.14
	23	85.8	83.9	84.2	77.4	76.7	76.6	76.5	76.5	76.3	76.3	76.1	75.4	77.82
	24	84.2	81.4	76.5	77.2	77.2	76.7	76.3	76.0	75.8	75.4	75.2	74.6	76.94
	25	87.7	83.5	82.6	83.1	78.6	77.0	76.6	76.9	76.7	76.1	75.7	75.3	78.00
	26	83.4	83.1	83.3	75.6	75.6	75.0	74.6	74.6	74.0	74.0	74.0	73.8	76.81
	27	84.7	81.6	76.7	75.7	75.7	75.0	74.5	74.5	74.1	73.8	74.2	74.5	76.21
	28	83.8	82.6	80.5	76.5	75.7	75.3	74.9	75.2	75.0	75.0	74.8	74.6	76.70
	29	87.5	81.4	82.4	81.8	81.2	79.0	77.6	76.6	75.4	75.4	74.9	75.1	77.98
	30	83.0	81.0	80.6	80.6	78.6	76.5	76.2	76.1	75.7	75.9	75.4	75.4	77.47
Hourly Means.		85.72	84.77	83.32	82.15	81.12	79.80	78.58	77.72	77.00	76.60	76.08	75.64	78.86

RELATIVE HUMIDITY OF THE AIR.

SATURATION = 1000.

Mean Batavia Time.	1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—	
NOVEMBER.	1	906	905	914	904	913	912	857	760	699	598	608	560	—
	2	930	938	937	937	955	946	887	875	788	716	634	647	—
	3	898	905	913	930	921	912	873	786	703	616	565	620	—
	4	957	966	869	885	910	929	921	851	732	660	622	643	—
	5	913	913	921	911	911	894	870	800	728	644	588	632	—
	6	905	898	905	904	913	904	881	823	724	641	651	622	—
	7	898	897	897	896	903	878	840	756	634	567	535	634	—
	8	914	922	930	921	929	920	898	816	711	617	668	650	—
	9	890	905	914	922	930	921	864	823	737	668	575	499	—
	10	937	946	946	946	946	955	956	867	735	641	599	622	—
	11	898	897	904	897	913	930	898	825	682	661	605	648	—
	12	875	842	833	841	855	888	849	781	672	587	619	593	—
	13	906	915	905	905	904	904	890	848	759	651	622	618	—
	14	874	889	880	880	904	912	815	780	715	711	624	592	—
	15	864	880	905	905	914	930	931	907	839	811	764	707	—
	16	947	956	956	964	955	955	921	860	775	646	592	566	—
	17	915	931	939	947	947	956	923	815	703	668	632	626	—
	18	897	897	896	879	888	896	897	881	837	775	694	662	—
	19	869	900	916	948	948	940	924	854	810	763	694	705	—
	20	888	897	913	938	937	937	897	792	666	608	577	518	—
	21	836	882	881	863	887	904	856	771	729	612	632	590	—
	22	923	923	931	939	930	939	898	892	842	779	759	918	—
	23	947	947	956	938	938	929	947	836	803	731	650	636	—
	24	888	897	913	930	929	938	947	898	831	804	705	664	—
	25	947	947	956	956	956	956	939	899	839	783	705	604	—
	26	939	939	947	930	922	930	922	940	867	796	743	719	—
	27	956	955	973	965	965	964	956	932	862	818	757	716	—
	28	913	930	929	929	929	938	921	890	863	836	772	742	—
	29	956	956	965	973	965	973	930	884	817	773	742	691	—
	30	939	930	947	947	947	939	939	907	847	811	776	739	—
Hourly Means.	911	917	920	921	925	928	902	845	765	700	657	646	—	
Mean Batavia Time.	1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.	
NOVEMBER.	1	574	603	629	629	675	726	895	913	913	947	947	947	789
	2	690	709	748	678	734	737	768	847	852	883	899	898	818
	3	641	694	887	921	852	883	907	940	940	940	948	948	839
	4	630	671	683	706	718	785	785	828	857	873	881	905	803
	5	650	647	690	591	630	750	818	839	877	884	891	899	787
	6	655	681	657	562	611	674	731	775	816	837	852	858	770
	7	752	781	819	776	783	803	854	869	877	900	924	923	808
	8	650	678	686	685	708	726	786	855	854	860	867	882	797
	9	614	644	650	671	727	732	793	897	930	930	929	938	796
	10	635	650	674	697	708	725	778	835	854	852	851	873	801
	11	665	721	684	682	713	770	810	839	861	868	876	875	797
	12	617	628	647	688	719	759	778	819	870	877	892	891	768
	13	636	640	636	654	722	752	810	839	846	846	867	867	78
	14	636	648	706	762	728	742	754	787	808	829	826	849	77
	15	703	705	761	865	872	880	905	905	922	930	947	947	862
	16	566	576	644	663	783	814	859	899	899	900	906	915	813
	17	541	628	795	853	902	908	852	859	851	843	842	857	822
	18	651	645	625	659	683	716	759	805	819	824	831	846	790
	19	794	719	709	741	808	858	851	856	841	841	864	871	834
	20	511	488	535	531	536	602	651	684	732	781	815	837	720
	21	573	602	633	699	863	885	885	900	901	892	907	916	796
	22	836	908	908	867	859	866	899	931	923	940	948	956	896
	23	674	741	728	916	916	932	932	924	906	924	890	905	860
	24	681	770	874	907	900	907	906	923	915	931	931	947	872
	25	595	760	779	724	799	858	891	875	891	906	915	931	850
	26	748	767	719	914	923	905	922	922	938	938	947	947	883
	27	737	762	907	915	931	922	939	930	939	956	956	947	903
	28	748	779	796	923	940	939	956	957	966	966	974	965	896
	29	643	843	793	741	790	808	867	924	923	923	939	939	865
	30	766	790	797	782	847	891	923	932	923	931	940	940	880
Hourly Means.	660	696	727	747	779	809	842	870	881	892	900	907	823	

DIRECTION OF THE WIND.

Mean Batavia Time.	1 A. M.	2	3	4	5	6	7	8	9	10	11	12
NOVEMBER.	1	C	C	C	C	C	NE	ESE	ESE	E	E	E
	2	C	C	C	C	C	W	C	C	W	W	N
	3	C	C	C	C	C	C	NNE	NNE	E	E	N
	4	C	ENE	C	C	C	C	C	ENE	ENE	ENE	NNE
	5	C	C	N	C	C	C	N	N	N	ESE	NE
	6	C	C	C	C	C	NE	C	NE	E	NE	NNE
	7	C	NE	C	C	C	NE	NE	NE	ENE	ESE	NNE
	8	C	C	C	C	C	NE	NE	NE	ENE	E	N
	9	C	C	C	C	NNE	NNE	NNE	NNE	NNE	ENE	ENE
	10	C	C	C	C	C	C	C	S	S	S	NNE
	11	C	C	C	C	C	C	N	N	N	N	N
	12	C	C	C	C	C	C	NNW	NNW	NNW	N	N
	13	C	NE	C	NE	C	NE	NE	NE	NE	NE	NNE
	14	C	C	C	C	C	C	C	C	WNW	N	NW
	15	N	C	C	C	C	N	C	N	N	NE	NE
	16	C	C	C	C	C	C	SSW	SSW	SW	SW	W
	17	C	C	C	C	C	C	WSW	WSW	WSW	NW	NW
	18	W	W	W	C	C	W	C	C	W	W	NW
	19	C	NW	C	C	C	C	C	C	C	NW	N
	20	C	WNW	WNW	C	C	C	WNW	WNW	W	WNW	NNW
	21	C	C	C	C	C	C	NNE	NNW	NNW	N	N
	22	C	C	C	C	C	C	C	N	NNE	NNE	NNE
	23	C	C	C	C	C	C	NW	W	W	W	WNW
	24	C	C	C	SW	C	C	C	W	WNW	C	W
	25	C	C	C	C	C	C	C	C	C	C	NW
	26	C	C	C	C	C	SSW	SSW	C	SSW	SW	WSW
	27	C	C	C	C	C	C	C	WSW	W	W	WNW
	28	C	W	C	C	C	C	W	W	W	W	W
	29	C	C	C	C	C	C	WNW	W	W	W	W
	30	NNW	C	C	C	C	C	C	C	C	NNW	NW
Mean Batavia Time.	1 P. M.	2	3	4	5	6	7	8	9	10	11	12
NOVEMBER.	1	NNE	N	N	N	NNW	S	W	C	C	C	C
	2	N	N	N	NNE	NNE	NNE	C	C	C	C	C
	3	N	N	S	S	NE	NE	C	C	C	C	C
	4	NNE	NNE	NNE	N	N	C	N	C	C	C	C
	5	N	N	N	NE	NE	C	C	C	C	C	C
	6	N	N	NE	NE	NE	NE	NE	C	C	C	C
	7	N	NE	NE	NE	NE	C	NE	NE	C	NE	C
	8	NNE	N	N	NNE	NNE	NNE	NNE	C	C	C	C
	9	NNE	NNE	NNE	N	N	N	SSW	S	S	C	C
	10	NNE	NNE	N	N	N	N	C	N	N	C	N
	11	N	N	N	N	NNW	C	C	C	C	C	C
	12	NE	N	NNE	NNE	NNE	NE	C	C	C	C	C
	13	N	N	N	NNW	NNW	WNW	C	C	C	C	WNW
	14	N	N	N	N	N	C	N	N	N	N	C
	15	NE	N	N	SSW	SSW	C	C	SSW	C	C	C
	16	NNW	NNW	N	W	WSW	C	WSW	WSW	C	C	C
	17	NW	NNW	NNW	NNW	C	NNW	NW	WNW	WNW	WNW	W
	18	NW	NW	NW	NW	NW	NW	C	C	C	C	C
	19	NNE	NNE	N	NNW	NW	WNW	C	C	C	WNW	WNW
	20	NNW	NW	NW	NW	WNW	WNW	WNW	NW	NNE	C	C
	21	N	N	N	N	N	C	C	C	N	C	C
	22	NNE	NW	NW	NW	C	C	C	C	NW	C	C
	23	NNW	N	N	SW	SW	C	C	C	SW	C	C
	24	NE	N	WNW	WNW	NW	C	C	C	C	C	C
	25	SW	N	N	NNW	SSW	C	SSW	SSW	C	C	C
	26	N	N	NW	WSW	WSW	C	C	C	C	C	C
	27	NNW	NW	W	W	W	C	C	C	C	C	C
	28	N	N	NW	NW	WNW	WNW	C	C	C	C	C
	29	W	ENE	NNW	NNW	NNW	NNW	C	C	C	C	NNW
	30	NNW	NW	NW	NW	W	C	C	C	C	C	C

VELOCITY OF THE WIND IN KILOMETERS PER HOUR.

Mean Batavia Time.		1 A.M.	2	3	4	5	6	7	8	9	10	11	12	—
NOVEMBER.	1	0.0	0.0	0.0	0.0	0.0	0.0	1.6	4.0	2.4	1.6	2.4	3.2	—
	2	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.8	3.2	3.2	—
	3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	5.6	9.7	8.9	—
	4	0.0	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.8	2.4	4.8	11.3	—
	5	0.0	0.0	0.8	0.0	0.0	0.0	0.0	1.6	1.6	4.0	8.9	8.9	—
	6	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.0	4.0	8.0	8.9	12.1	—
	7	0.0	0.8	0.0	0.0	0.0	1.6	2.4	4.0	3.2	6.4	9.7	16.1	—
	8	0.0	0.0	0.0	0.0	0.0	0.8	0.8	1.6	4.0	8.0	9.7	13.7	—
	9	0.0	0.0	0.0	0.0	0.0	0.8	1.6	3.2	3.2	3.2	3.2	4.8	—
	10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	2.4	2.4	5.6	—
	11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	2.4	5.6	8.9	12.1	—
	12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.6	3.2	7.2	8.9	—
	13	0.0	0.8	0.0	0.8	0.0	0.8	0.8	0.8	1.6	1.6	6.4	9.7	—
	14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.8	8.0	8.0	—
	15	0.8	0.0	0.0	0.0	0.0	0.8	0.8	0.0	0.8	4.0	5.6	4.8	—
	16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	2.4	1.6	2.4	4.0	—
	17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	2.4	2.4	4.8	5.6	—
	18	1.6	1.6	1.6	0.0	0.0	0.8	0.0	0.0	0.0	0.8	2.4	3.2	—
	19	0.0	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	11.3	—
	20	0.0	0.8	0.8	0.0	0.0	0.0	0.8	1.6	3.2	3.2	4.0	6.4	—
	21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	3.2	4.0	5.6	8.0	—
	22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	1.6	5.6	5.6	—
	23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	1.6	1.6	4.8	—
	24	0.0	0.0	0.0	0.8	0.0	0.6	0.0	0.0	1.6	0.8	0.0	2.4	—
	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	—
	26	0.0	0.0	0.0	0.0	0.0	0.8	1.6	0.0	0.0	0.8	1.6	4.0	—
	27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	1.6	3.2	—
	28	0.0	0.8	0.0	0.0	0.0	0.0	0.0	1.6	1.6	0.8	0.8	2.4	—
	29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	2.4	1.6	1.6	0.8	—
	30	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	3.2	—
Hourly Means.		0.11	0.24	0.11	0.05	0.00	0.21	0.40	0.93	1.65	2.75	4.53	6.59	—
Mean Batavia Time.		1 P.M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
NOVEMBER.	1	11.3	10.5	14.5	12.9	4.8	9.7	1.6	0.0	0.0	0.0	0.0	0.0	3.35
	2	10.5	10.5	7.2	6.4	4.0	1.6	0.0	0.0	0.0	0.0	0.0	0.0	2.01
	3	8.0	13.7	7.2	6.4	9.7	0.8	0.0	0.0	0.0	0.0	0.0	0.0	2.98
	4	16.1	14.5	12.1	8.0	2.4	0.0	0.8	0.0	0.0	0.0	0.0	0.0	3.12
	5	10.5	13.7	8.9	12.9	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.16
	6	12.1	13.7	18.5	18.5	13.7	8.0	2.4	0.8	0.0	0.0	0.0	0.0	5.06
	7	14.5	19.3	15.3	14.5	14.5	6.4	0.0	0.8	0.8	0.0	0.8	0.0	5.46
	8	13.7	12.1	16.1	15.3	11.3	4.0	1.6	1.6	0.0	0.0	0.0	0.0	4.76
	9	12.1	14.5	11.3	9.7	6.4	2.4	12.9	8.0	1.6	0.8	0.0	0.0	4.15
	10	9.7	12.9	12.1	9.7	5.6	1.6	0.0	0.0	1.6	2.4	0.0	0.8	2.85
	11	10.5	8.0	10.5	6.4	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.78
	12	12.1	11.3	12.9	8.9	8.0	2.4	0.0	0.0	0.0	0.0	0.0	0.0	3.22
	13	9.7	11.3	8.9	5.6	4.0	0.8	0.0	0.0	0.0	0.0	0.0	0.8	2.68
	14	10.5	11.3	10.5	8.9	2.4	0.0	0.8	1.6	2.4	2.4	0.8	0.0	3.02
	15	5.6	5.6	7.2	6.4	2.4	0.0	0.0	1.6	0.0	0.0	0.0	0.0	1.93
	16	5.6	8.9	8.0	8.9	0.8	0.0	0.8	0.8	0.0	0.0	0.0	0.0	1.94
	17	4.8	10.5	8.9	1.6	0.0	0.8	2.4	2.4	2.4	3.2	3.2	1.6	2.44
	18	2.4	3.2	4.0	2.4	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0	1.13
	19	14.5	12.9	4.0	3.2	4.0	2.4	0.0	0.0	0.0	0.0	0.8	0.8	2.38
	20	5.6	2.4	2.4	4.0	3.2	0.8	1.6	7.2	3.2	0.0	0.0	0.0	2.13
	21	9.7	12.9	14.5	4.8	0.8	0.0	0.0	0.0	2.4	1.6	0.0	0.0	2.85
	22	4.8	2.4	1.6	2.4	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	1.13
	23	8.9	10.5	11.3	4.0	0.8	0.0	0.0	0.0	0.8	0.8	0.0	0.0	1.95
	24	5.6	7.2	6.4	4.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.27
	25	4.8	8.0	10.5	6.4	4.8	0.0	1.6	0.8	0.0	0.0	0.0	0.0	1.60
	26	8.0	10.5	10.5	3.2	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.78
	27	12.1	10.5	5.6	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.58
	28	8.9	12.9	5.6	4.0	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0	1.71
	29	4.0	6.4	4.8	3.2	1.6	2.4	0.0	0.0	0.0	0.0	0.0	1.6	1.33
	30	6.4	6.4	4.8	1.6	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.17
Hourly Means.		9.10	10.28	9.20	6.86	3.96	1.55	0.88	0.85	0.53	0.37	0.19	0.19	2.56

CLOUDS.

CLEAR = 0. — OVERCAST = 10.

Mean Batavia Time.	1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—	
NOVEMBER.	1	3	3	2	3	4	6	4	2	2	4	7	4	—
	2	6	4	7	6	7	3	7	8	8	7	7	8	—
	3	2	3	6	4	6	3	2	4	3	6	7	7	—
	4	10	10	10	10	10	10	1	2	3	4	2	7	—
	5	4	1	2	2	5	6	5	4	2	4	6	6	—
	6	3	2	2	4	3	6	9	3	4	6	8	4	—
	7	4	6	6	3	4	2	6	5	6	5	5	10	—
	8	6	7	5	4	3	2	1	2	2	4	6	6	—
	9	6	3	2	2	3	3	2	1	2	8	5	3	—
	10	3	3	2	1	2	2	4	2	2	3	5	4	—
	11	2	3	2	4	3	7	6	3	7	6	4	6	—
	12	9	9	10	6	7	3	5	4	5	8	9	9	—
	13	2	4	2	4	5	1	1	2	2	4	6	6	—
	14	3	3	4	2	2	4	1	2	1	10	5	2	—
	15	7	9	9	8	9	9	10	10	10	10	10	9	—
	16	6	4	4	2	3	6	7	6	4	2	3	6	—
	17	3	3	2	4	6	4	6	5	6	6	7	6	—
	18	10	10	10	6	6	10	4	2	2	6	6	7	—
	19	10	10	10	10	10	10	6	2	8	8	6	8	—
	20	7	6	6	3	4	4	3	2	2	1	1	3	—
	21	2	1	1	2	2	4	2	1	1	3	7	2	—
	22	6	4	7	7	3	1	8	7	8	9	10	10	—
	23	6	5	6	4	6	5	4	3	3	4	6	6	—
	24	8	8	10	10	10	10	8	5	6	7	6	5	—
	25	7	4	1	0	2	2	3	4	4	6	6	7	—
	26	5	7	7	9	9	10	10	10	10	8	9	10	—
	27	9	9	6	7	4	2	9	9	8	9	9	7	—
	28	8	8	8	7	8	6	2	3	6	7	7	6	—
	29	9	6	5	3	6	9	6	4	6	4	9	8	—
	30	10	10	10	10	10	10	10	10	10	10	10	10	—
Hourly Means.	5.9	5.5	5.5	4.9	5.4	5.3	5.1	4.2	4.8	6.0	6.5	6.4	—	
Mean Batavia Time.	1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.	
NOVEMBER.	1	7	6	6	5	7	10	10	7	5	10	5	6	5.3
	2	7	8	7	6	6	4	3	2	2	2	3	3	5.5
	3	9	10	10	9	10	9	10	10	10	10	10	10	7.1
	4	7	6	6	4	8	6	4	4	5	6	4	3	5.9
	5	10	10	8	10	10	10	7	8	9	9	6	5	6.2
	6	5	3	4	6	6	4	5	4	6	3	2	2	4.3
	7	10	10	9	9	10	9	10	10	9	9	9	8	7.3
	8	7	4	7	5	8	9	2	6	3	1	1	0	4.2
	9	4	3	6	2	4	2	9	10	4	4	3	2	3.9
	10	8	6	5	4	4	5	6	7	4	4	3	3	3.8
	11	8	6	4	2	7	4	5	4	5	10	10	10	5.3
	12	8	7	8	6	7	7	5	3	2	4	3	3	6.1
	13	5	6	7	8	10	6	4	2	3	3	4	3	4.2
	14	4	2	2	3	6	7	5	7	4	4	3	7	3.9
	15	8	9	9	10	10	10	8	9	9	7	9	9	9.0
	16	8	8	9	10	10	10	8	5	3	3	5	4	5.7
	17	6	8	10	8	9	9	10	10	9	10	10	10	7.0
	18	7	8	9	9	9	9	7	6	8	7	8	9	7.3
	19	6	4	4	7	6	6	9	10	10	9	7	6	7.6
	20	4	3	9	2	8	10	10	10	9	9	6	4	5.3
	21	3	3	3	7	10	8	9	10	10	10	7	7	4.8
	22	10	10	10	10	10	10	10	10	10	10	9	9	8.3
	23	7	7	9	10	10	10	10	10	9	10	10	7	7.0
	24	6	6	10	7	6	7	8	9	9	8	4	3	7.3
	25	5	9	10	6	6	7	9	9	8	6	6	3	5.4
	26	10	8	10	10	10	10	10	10	10	10	10	6	9.1
	27	9	9	10	10	10	10	10	10	10	10	10	10	8.6
	28	9	9	10	10	10	10	10	10	10	10	10	10	8.1
	29	7	9	6	4	4	7	9	10	9	9	8	9	6.9
	30	10	10	10	10	10	10	10	10	9	6	6	7	9.5
Hourly Means.	7.1	6.9	7.6	7.0	8.0	7.8	7.7	7.7	7.1	7.1	6.4	5.9	6.33	

BAROMETRIC PRESSURE.

BAROMETER AT 0°C = 750 MILLIMETRES + THE NUMBERS IN THE TABLE.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
D E C E M B E R .	1	8.79	8.10	7.80	7.82	7.87	8.08	8.83	9.43	9.68	9.63	9.20	8.96	—
	2	9.10	8.74	8.60	8.37	8.65	8.86	9.35	10.04	10.44	10.52	10.05	9.57	—
	3	9.43	8.85	8.50	8.31	8.52	8.87	9.02	9.73	10.15	10.17	9.64	8.95	—
	4	9.00	8.52	7.93	7.85	8.11	8.67	9.31	9.40	8.97	8.64	8.64	8.33	—
	5	8.30	7.92	7.85	7.46	7.67	8.19	8.86	9.47	9.58	9.30	8.69	8.09	—
	6	8.62	8.27	7.97	7.82	7.89	8.09	8.66	8.96	9.24	9.14	8.64	8.25	—
	7	8.15	7.66	7.64	8.05	8.32	8.62	8.92	9.38	9.68	9.37	8.94	8.60	—
	8	8.90	8.61	8.44	8.52	8.54	9.12	9.64	9.64	9.59	9.22	8.59	7.94	—
	9	8.17	7.76	7.39	7.41	7.60	7.93	8.58	9.11	9.06	8.69	8.17	7.80	—
	10	8.71	8.42	8.15	8.06	8.32	8.53	8.93	8.96	9.01	8.77	8.19	7.70	—
	11	8.96	8.21	8.07	8.04	8.41	8.82	9.41	9.90	10.10	9.69	9.62	9.44	—
	12	9.00	8.66	8.65	8.52	8.88	9.41	10.21	10.30	10.38	10.13	9.59	8.70	—
	13	9.59	8.79	8.62	8.66	8.73	9.44	10.10	9.91	10.23	10.17	9.77	9.18	—
	14	9.84	9.42	9.31	9.29	9.48	10.04	10.46	10.55	10.71	10.75	10.47	9.88	—
	15	9.80	9.37	8.92	8.93	9.53	9.95	10.66	11.08	11.21	11.03	10.95	10.45	—
	16	10.96	10.56	10.21	10.23	10.53	11.14	11.74	11.88	11.83	11.84	11.61	11.59	—
	17	10.61	10.38	10.04	9.75	10.10	10.66	11.37	11.84	11.97	11.96	11.53	10.88	—
	18	10.52	10.07	9.52	9.72	10.07	10.64	11.00	11.04	11.40	11.25	10.80	10.18	—
	19	10.41	9.93	9.84	9.85	10.11	10.51	11.09	11.22	11.26	11.24	10.81	10.24	—
	20	10.61	9.97	10.15	10.16	10.16	10.81	11.32	11.49	11.71	11.51	11.29	10.79	—
	21	9.65	9.27	9.08	9.18	9.92	10.29	10.75	11.10	11.57	11.45	11.10	10.74	—
	22	9.24	9.11	9.13	9.09	9.16	9.65	10.34	10.54	10.50	10.31	9.95	9.55	—
	23	9.44	8.97	8.95	8.76	9.09	9.49	9.89	9.96	10.11	9.94	9.73	9.08	—
	24	8.97	8.82	8.32	8.54	8.94	9.39	9.85	10.16	10.11	10.05	9.89	9.20	—
	25	8.61	8.35	8.23	8.26	8.42	8.93	9.31	9.61	9.85	9.71	9.30	8.79	—
	26	8.52	8.09	7.75	7.77	7.82	8.40	9.42	9.69	9.84	9.75	9.52	9.05	—
	27	8.37	8.21	7.87	7.83	7.90	8.33	9.26	9.43	9.40	9.19	8.74	8.28	—
	28	8.56	8.11	8.06	8.00	8.37	8.98	9.35	9.74	9.54	9.63	9.38	9.14	—
	29	9.29	8.96	8.79	8.40	8.82	9.30	9.86	10.15	10.10	10.39	9.82	9.54	—
	30	9.20	8.81	8.62	8.71	8.89	9.05	9.64	9.88	10.38	10.20	10.13	9.67	—
	31	9.41	8.80	8.45	8.66	8.93	9.38	9.98	10.36	10.69	10.45	9.96	9.44	—
Hourly Means.		9.25	8.83	8.61	8.58	8.83	9.28	9.82	10.12	10.28	10.14	9.76	9.29	—
Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
D E C E M B E R .	1	8.15	7.45	6.83	6.47	6.73	7.58	8.52	9.18	9.60	9.72	10.12	9.68	8.51
	2	8.97	8.32	7.84	7.77	7.84	8.20	8.84	9.55	9.93	10.25	10.07	9.79	9.15
	3	8.64	8.30	7.62	7.10	7.38	8.08	8.90	9.29	9.49	9.92	9.84	9.60	8.93
	4	7.20	6.28	5.27	5.27	5.69	6.46	7.48	7.97	8.70	9.08	9.10	8.63	7.94
	5	7.78	7.52	6.93	7.00	6.64	6.94	7.25	7.80	8.27	8.49	8.75	8.71	8.06
	6	7.86	7.07	7.07	7.12	7.22	7.67	8.23	8.78	9.14	9.35	9.53	8.95	8.31
	7	8.34	7.78	7.20	7.27	7.54	8.36	9.04	9.34	9.59	9.59	9.49	9.16	8.58
	8	7.63	7.28	6.84	6.76	7.15	7.54	8.14	8.61	8.98	8.99	8.81	8.65	8.42
	9	7.47	6.98	6.53	6.79	6.63	7.32	8.10	8.61	9.22	9.58	9.32	8.90	8.05
	10	7.05	6.48	5.94	6.57	6.73	7.19	7.81	8.67	9.29	9.24	8.99	9.25	8.12
	11	8.82	7.89	7.31	7.18	7.53	8.21	8.62	9.34	9.90	10.07	9.88	9.40	8.87
	12	8.17	7.49	7.18	7.08	7.59	8.11	8.82	9.39	9.89	10.34	10.28	10.10	9.04
	13	8.58	8.00	7.62	7.43	7.83	8.13	9.10	9.55	9.98	10.28	10.29	10.22	9.18
	14	8.84	8.19	8.35	8.22	8.23	9.15	9.73	10.04	10.36	10.64	10.60	10.05	9.69
	15	10.02	9.44	9.00	8.75	9.34	10.00	10.24	10.71	11.19	11.36	11.08	11.05	10.17
	16	10.83	9.94	9.67	9.50	9.51	9.94	10.86	11.41	11.56	11.78	11.80	11.46	10.93
	17	10.74	10.00	9.46	9.04	9.30	9.75	10.18	10.70	11.36	11.58	11.83	11.24	10.68
	18	9.60	8.79	8.30	8.34	8.73	9.68	9.89	10.74	10.98	10.95	10.96	10.84	10.17
	19	9.77	9.19	8.84	8.84	9.05	9.80	10.48	10.79	11.25	11.60	11.24	11.10	10.35
	20	9.84	9.33	8.70	8.40	8.75	9.74	9.89	10.20	10.46	10.49	10.09	9.90	10.24
	21	9.93	9.10	8.17	7.81	7.85	8.47	9.07	9.40	9.86	9.85	9.89	9.77	9.72
	22	9.02	8.43	7.83	7.68	7.60	8.35	9.15	9.43	9.73	9.91	9.95	9.89	9.31
	23	8.64	7.80	7.27	6.78	7.04	7.53	8.49	8.75	9.43	9.74	9.59	9.32	8.91
	24	8.31	7.47	6.55	6.69	7.22	7.94	8.65	8.95	9.45	9.48	9.39	8.97	8.80
	25	8.14	7.61	6.68	6.93	7.68	7.99	8.38	8.84	9.17	9.29	9.14	8.71	8.58
	26	8.70	7.76	7.41	7.08	7.29	7.96	8.51	9.06	9.35	9.27	9.30	8.81	8.59
	27	7.58	7.02	6.32	6.27	6.49	7.13	7.53	7.83	8.28	8.80	8.82	8.65	8.06
	28	8.68	7.97	7.21	6.92	7.44	7.57	8.28	8.80	9.67	10.22	10.09	9.83	8.73
	29	8.77	8.01	7.31	7.63	7.90	8.53	9.28	9.76	9.95	10.00	9.79	9.52	9.16
	30	9.02	8.40	7.67	7.64	8.34	8.78	9.19	9.44	9.88	9.96	9.99	9.85	9.22
	31	8.64	8.05	7.51	7.46	7.61	8.15	8.83	9.35	9.89	10.77	10.45	10.15	9.22
Hourly Means.		8.70	8.04	7.50	7.41	7.67	8.27	8.89	9.36	9.80	10.02	9.95	9.68	9.09

STANDARD THERMOMETER.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
D E C E M B E R .	1	75.4	75.2	74.7	74.5	74.5	74.6	75.4	77.8	78.8	79.8	80.7	81.4	—
	2	77.5	76.7	76.2	75.6	75.4	75.2	76.0	78.0	79.6	81.2	81.8	80.9	—
	3	76.1	75.8	75.5	75.1	75.2	75.2	76.0	77.6	78.0	79.4	82.8	84.8	—
	4	74.2	74.0	74.2	74.0	74.0	74.2	74.5	76.0	77.4	80.5	81.9	84.4	—
	5	76.5	76.3	76.3	76.0	75.8	75.6	76.0	76.9	77.7	79.5	81.2	82.2	—
	6	75.3	75.5	75.5	75.5	75.5	75.0	76.0	79.3	80.5	81.1	83.6	85.6	—
	7	75.8	75.6	75.6	75.0	75.4	75.6	76.2	78.3	79.8	81.7	84.5	86.5	—
	8	75.9	75.3	74.6	74.0	74.0	74.0	75.5	77.6	79.2	80.6	84.3	86.5	—
	9	76.2	76.0	75.6	74.9	74.5	74.0	75.3	77.6	81.7	83.6	84.9	81.6	—
	10	74.4	74.0	73.7	73.5	73.3	73.3	74.3	76.1	77.6	79.0	81.8	84.4	—
	11	75.7	75.5	75.1	74.6	74.4	74.3	74.7	76.6	78.5	80.4	82.4	84.1	—
	12	75.2	74.8	74.6	74.3	73.3	73.5	74.4	77.2	79.8	82.5	85.0	87.5	—
	13	75.5	75.3	74.7	74.0	73.3	73.0	74.5	76.4	77.3	78.8	80.3	82.1	—
	14	76.5	75.7	75.4	75.2	75.4	74.5	74.6	77.2	78.4	80.6	81.0	82.1	—
	15	74.5	74.5	74.1	73.9	73.5	73.3	74.2	76.4	77.7	78.5	77.9	76.2	—
	16	73.0	73.3	73.4	72.9	72.9	72.9	73.4	73.6	74.5	75.9	78.3	75.4	—
	17	73.5	73.3	73.3	73.3	73.1	72.7	72.8	73.2	73.6	74.2	75.8	76.6	—
	18	73.5	73.2	73.0	73.0	72.6	72.2	73.0	74.5	75.7	77.7	79.7	81.0	—
	19	73.7	73.7	73.6	73.2	73.2	72.7	72.6	73.6	75.9	78.3	80.3	81.6	—
	20	72.0	71.5	71.3	71.3	71.3	71.4	72.2	73.1	74.0	76.2	78.6	79.9	—
	21	72.5	72.4	72.1	71.9	71.8	71.8	72.1	73.1	72.8	72.2	75.0	76.4	—
	22	72.8	72.5	72.2	71.9	71.5	71.4	72.4	74.7	78.8	79.1	80.8	80.7	—
	23	73.9	73.5	73.0	72.8	72.6	72.4	74.0	75.8	79.5	79.2	80.7	80.3	—
	24	76.1	75.9	75.5	74.6	74.1	73.9	73.5	74.0	77.1	78.5	80.0	81.7	—
	25	72.6	72.0	71.7	71.8	71.8	71.7	72.2	74.0	77.5	79.0	80.4	81.2	—
	26	75.1	74.6	74.6	74.7	74.0	73.6	74.2	76.0	77.9	79.1	79.5	79.2	—
	27	75.4	75.2	75.0	74.2	73.6	73.0	74.3	77.4	79.4	82.4	83.1	84.0	—
	28	75.9	75.5	75.0	74.6	74.4	74.0	75.4	78.6	81.4	83.6	84.3	83.6	—
	29	75.3	74.8	74.2	74.2	74.0	73.7	74.5	77.5	79.4	81.0	84.3	84.6	—
	30	76.4	75.9	75.4	74.9	74.7	74.4	75.5	78.8	79.9	81.5	82.5	82.5	—
	31	73.6	73.3	73.0	73.0	73.0	73.1	74.0	74.7	73.7	74.7	76.3	78.2	—
Hourly Means.		74.84	74.54	74.26	73.95	73.75	73.55	74.31	76.18	77.84	79.35	81.09	81.85	—
Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
D E C E M B E R .	1	82.4	85.0	84.6	84.4	83.4	81.8	81.1	80.5	79.6	78.7	78.0	78.2	79.19
	2	81.4	83.0	83.0	80.2	79.0	78.4	77.4	77.0	76.3	76.3	76.3	76.1	78.27
	3	83.8	82.1	81.1	80.7	80.4	79.3	77.0	76.3	75.8	75.8	75.5	74.7	78.08
	4	85.8	85.3	86.1	85.1	84.0	81.7	80.4	79.7	79.0	78.4	77.6	77.4	79.16
	5	82.5	81.3	79.9	78.5	78.5	77.6	76.1	75.8	75.6	75.5	75.2	75.2	77.57
	6	85.4	86.3	82.6	81.6	80.8	80.2	79.6	79.3	78.5	78.0	76.5	76.0	79.30
	7	86.7	87.1	87.3	85.5	84.5	83.0	81.8	80.7	79.0	77.7	77.3	77.0	80.32
	8	86.4	86.1	82.8	81.1	80.7	79.8	79.5	79.5	79.3	78.8	77.6	77.0	79.17
	9	78.6	79.4	79.6	79.0	77.8	77.0	76.4	76.2	75.9	75.2	74.7	74.5	77.51
	10	86.0	84.5	84.0	79.8	77.6	76.5	76.8	77.1	77.1	77.3	76.5	76.1	77.70
	11	84.3	85.5	85.3	85.1	84.3	83.7	81.9	80.6	78.0	77.0	76.3	75.5	79.33
	12	87.5	87.5	86.5	85.2	83.4	81.6	80.7	79.5	78.5	77.7	77.0	76.6	79.74
	13	83.3	81.5	81.2	81.4	80.5	79.4	78.9	78.3	78.1	78.0	77.5	77.0	77.93
	14	82.5	81.7	79.5	80.5	80.4	75.5	75.0	74.8	74.8	74.6	75.0	74.6	77.31
	15	77.3	78.0	79.0	78.9	78.0	75.6	74.7	74.4	74.7	74.1	73.6	73.3	75.68
	16	76.1	77.8	77.2	76.0	76.0	76.0	75.5	75.3	74.9	74.5	74.5	74.0	74.89
	17	77.4	77.7	76.7	77.5	76.5	75.8	75.4	74.8	74.5	74.2	74.0	74.0	74.75
	18	80.5	82.5	82.5	81.4	80.0	78.8	77.0	76.0	75.3	75.1	74.8	74.3	76.55
	19	77.9	77.9	75.4	74.2	74.4	74.4	73.7	73.6	73.6	72.7	72.4	72.2	74.78
	20	79.4	79.0	78.8	78.8	79.0	78.6	73.5	73.1	72.8	73.0	72.7	72.5	74.75
	21	78.0	79.2	79.0	79.2	78.9	77.5	76.5	75.7	75.3	74.6	73.7	73.2	74.79
	22	81.5	82.8	81.8	81.4	81.0	79.8	78.4	77.3	76.0	75.0	74.6	74.4	76.78
	23	82.0	82.1	81.5	81.6	81.0	80.0	78.8	77.7	77.4	77.8	77.2	76.1	77.54
	24	81.8	82.1	82.1	81.7	80.7	78.7	77.6	77.2	76.8	76.4	75.1	74.4	77.48
	25	82.5	81.6	82.1	80.6	79.9	79.4	78.7	78.2	76.9	76.3	75.5	75.3	76.79
	26	79.5	80.3	79.9	79.9	79.2	78.2	77.5	77.4	77.0	76.6	76.2	76.0	77.09
	27	83.7	83.4	83.0	82.7	82.0	81.0	80.0	79.0	77.9	77.3	77.0	76.3	78.76
	28	83.7	83.6	84.0	83.1	82.1	81.4	80.3	79.5	78.2	77.3	76.8	76.2	79.27
	29	85.3	84.0	82.8	82.5	82.1	81.6	81.2	79.2	77.6	76.7	76.7	76.1	78.89
	30	83.1	81.9	80.7	81.0	79.6	78.0	75.0	74.6	74.8	74.7	74.6	74.3	77.70
	31	79.8	81.6	80.7	80.3	80.5	79.5	78.5	78.0	77.5	75.4	74.6	74.6	76.32
Hourly Means.		82.13	82.32	81.64	80.93	80.20	79.03	77.90	77.30	76.67	76.15	75.65	75.26	77.53

RELATIVE HUMIDITY OF THE AIR.

SATURATION = 1000.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
D E C E M B E R.	1	940	939	956	956	947	956	957	868	838	802	775	776	—
	2	892	900	915	923	940	957	940	845	824	776	763	843	—
	3	865	865	881	880	880	880	882	852	829	794	731	670	—
	4	904	912	878	887	896	904	913	856	805	753	714	648	—
	5	906	890	882	899	898	905	890	851	813	794	769	750	—
	6	832	815	824	832	824	855	865	785	782	740	646	635	—
	7	808	816	816	839	823	824	833	776	757	706	656	589	—
	8	856	856	880	888	888	879	873	806	771	746	649	596	—
	9	785	761	775	798	813	820	815	767	667	660	671	806	—
	10	930	921	929	920	938	938	921	882	844	831	778	722	—
	11	940	948	939	947	939	930	939	907	885	811	682	661	—
	12	931	939	930	930	946	929	921	843	765	716	651	623	—
	13	905	914	922	921	920	903	904	833	828	778	723	694	—
	14	866	881	872	889	889	913	930	859	838	732	733	721	—
	15	956	956	965	947	956	956	956	923	860	831	893	957	—
	16	973	973	956	955	973	973	973	965	965	931	869	923	—
	17	947	956	956	965	946	946	937	946	938	930	898	874	—
	18	956	946	946	946	955	955	937	897	833	821	787	761	—
	19	938	912	929	929	920	920	937	938	881	837	774	741	—
	20	955	945	954	954	964	964	964	965	956	890	822	810	—
	21	964	955	964	964	973	973	973	982	964	973	956	932	—
	22	964	955	964	964	964	964	955	930	816	816	783	761	—
	23	895	911	929	929	937	928	938	890	817	832	775	745	—
	24	923	931	966	965	956	947	956	947	892	862	796	785	—
	25	919	910	928	936	936	936	919	870	790	793	782	748	—
	26	947	956	956	947	930	947	947	881	813	816	809	801	—
	27	931	931	939	939	947	955	939	852	795	702	718	680	—
	28	940	948	966	939	939	938	948	885	791	720	722	755	—
	29	931	930	939	947	947	956	956	836	786	790	662	643	—
	30	906	931	931	939	947	956	948	870	833	791	744	737	—
	31	947	956	955	964	964	965	973	956	965	974	957	908	—
Hourly Means.		915	915	921	924	926	928	927	879	837	805	764	751	—
Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
D E C E M B E R.	1	765	651	636	663	733	777	805	835	855	894	908	909	839
	2	821	732	732	811	839	877	900	907	924	924	890	873	865
	3	660	736	761	768	767	756	843	874	890	865	856	897	820
	4	641	653	643	697	694	728	789	802	816	807	844	867	794
	5	668	691	758	838	846	852	849	849	848	841	872	872	835
	6	647	650	751	762	738	766	772	756	762	753	786	777	765
	7	602	603	604	615	668	676	728	753	808	829	828	827	741
	8	619	617	675	747	710	735	757	676	683	660	692	749	750
	9	933	902	918	918	942	932	932	932	923	923	922	930	843
	10	668	702	741	840	892	924	932	932	924	892	899	915	867
	11	756	739	732	731	742	693	750	753	829	891	915	915	832
	12	617	617	644	672	705	749	761	786	800	820	851	866	792
	13	698	776	798	791	788	847	816	846	877	885	844	867	837
	14	709	742	794	797	797	915	939	930	939	965	947	956	856
	15	892	853	839	823	861	940	956	965	956	965	965	965	922
	16	957	908	859	915	915	873	889	914	914	939	922	939	932
	17	892	884	932	900	874	890	905	939	947	956	956	947	928
	18	835	765	737	806	810	815	834	873	914	922	930	930	871
	19	901	893	931	930	947	947	956	947	965	955	955	964	914
	20	801	808	808	823	823	815	903	929	937	955	964	964	903
	21	798	771	785	749	763	820	874	898	914	930	947	956	907
	22	735	724	707	719	739	758	814	867	890	888	913	904	854
	23	736	714	712	735	739	787	823	876	900	901	916	923	845
	24	714	729	750	777	724	784	836	859	882	831	862	856	856
	25	695	727	721	738	758	772	838	853	900	924	948	948	845
	26	779	774	780	810	816	821	860	875	891	907	915	915	871
	27	665	677	732	731	750	790	825	870	901	916	924	932	835
	28	713	713	687	724	757	776	833	863	901	916	916	899	841
	29	666	700	724	751	758	792	790	816	828	850	866	899	823
	30	711	735	775	761	848	885	922	939	939	939	947	947	870
	31	824	770	782	774	774	816	862	868	900	931	939	939	903
Hourly Means.		746	741	756	778	791	816	848	864	882	890	897	905	850

DIRECTION OF THE WIND.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12
DECEMBER.	1	C	C	C	C	C	C	C	C	C	C	C	C
	2	NW	NW	C	C	C	C	C	C	NW	NNW	N	NNW
	3	NW	WNW	WNW	C	WNW	C	WNW	WNW	WNW	WNW	W	W
	4	W	W	C	W	C	W	W	W	W	WSW	W	WSW
	5	C	C	W	W	WNW	WNW	WNW	WNW	WNW	SW	WSW	SW
	6	W	W	WSW	WSW	W	W	W	W	W	W	W	WSW
	7	WSW	WSW	C	C	WSW	WSW	WSW	WSW	WSW	WSW	W	WNW
	8	C	C	C	C	C	C	W	WSW	WSW	WSW	WSW	W
	9	C	C	C	C	C	C	C	C	WSW	W	WNW	N
	10	NNW	C	C	C	C	C	C	NNW	WNW	WNW	WNW	NW
	11	C	C	C	C	C	C	C	ENE	ENE	NNE	N	N
	12	C	C	C	C	C	C	C	N	N	N	NNW	WNW
	13	C	C	C	C	C	C	C	WNW	WNW	WNW	NW	NW
	14	NW	NW	NW	C	C	C	C	WNW	WNW	NW	NW	NNW
	15	C	C	C	C	C	C	C	WNW	WNW	WNW	NW	NNW
	16	C	NNW	NNW	C	C	C	C	NNW	NW	NW	NW	WNW
	17	C	C	C	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	NW
	18	C	C	C	C	WNW	W	W	WNW	W	W	W	NW
	19	C	NW	NW	NW	NW	C	C	NW	NW	NW	WNW	NW
	20	C	C	C	C	C	C	C	C	C	NW	WNW	NNW
	21	C	C	C	C	C	C	C	C	WSW	C	C	W
	22	C	C	C	C	C	C	C	C	NW	NW	WNW	NW
	23	C	C	C	C	C	C	NNW	NNW	NW	NW	NNW	NW
	24	C	C	NNW	C	C	C	C	C	NW	NW	NW	NW
	25	C	C	C	C	C	C	C	C	C	SSW	N	N
	26	C	C	N	N	N	C	C	C	N	N	NNE	NE
	27	C	C	C	C	C	NE	C	NE	NE	NE	NE	NNE
	28	C	C	C	C	C	C	N	NNE	ENE	E	ENE	NNE
	29	C	C	C	C	C	C	C	C	C	C	NNE	N
	30	C	C	C	C	C	C	N	N	N	N	N	NNW
	31	C	C	C	C	C	C	NNW	NW	NW	C	NW	NW
Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12
DECEMBER.	1	C	WNW	NW	NW	NW	NW	C	C	C	C	C	NW
	2	NNW	NNW	NNW	NW	C	C	C	C	C	C	C	C
	3	WNW	W	WSW	WSW	W	W	W	C	W	W	W	W
	4	WSW	WSW	WSW	WNW	WNW	W	W	W	W	W	C	C
	5	W	W	W	W	W	W	WNW	W	W	W	W	W
	6	W	W	NW	W	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW
	7	W	WNW	WNW	WNW	W	W	C	C	C	C	C	C
	8	W	WNW	W	WSW	WSW	C	WSW	WSW	WSW	C	C	C
	9	N	NNW	NNW	C	C	C	C	C	NNW	NNW	C	C
	10	NW	NNW	NNW	ENE	C	C	C	C	C	C	C	C
	11	NE	NNE	NNE	NNE	NNE	N	C	C	N	C	C	C
	12	WNW	WNW	WNW	W	WNW	WNW	WNW	WNW	C	C	C	C
	13	NW	NNW	NNW	NW	NW	NNW	NNW	NNW	NNW	NW	NW	NW
	14	NNW	NNW	NW	WNW	WNW	NW	NW	C	C	C	C	C
	15	NNW	N	NNW	NNW	C	C	C	C	C	C	C	C
	16	WNW	NW	WNW	C	WNW	WNW	WNW	C	C	C	C	C
	17	NW	NW	WNW	WNW	WNW	C	C	C	C	C	C	C
	18	NW	NW	NW	NW	NW	NW	C	C	C	C	C	C
	19	N	NNW	NW	NW	C	C	C	C	NW	NW	NW	C
	20	NW	NNW	NNW	NNW	NNW	NNW	C	C	C	C	C	C
	21	NW	NW	NW	NW	NNW	NNW	C	C	C	C	C	C
	22	NNW	NNW	NNW	NNW	NNW	NNW	C	C	C	C	C	C
	23	NNW	NNW	N	NNW	N	NNW	C	C	C	C	C	C
	24	NNW	NNW	NNW	NW	SW	SSW	SSW	C	C	SSW	SSW	C
	25	NNE	N	N	N	N	C	C	N	N	C	C	C
	26	NE	NE	NE	NE	NE	NE	C	C	C	C	C	C
	27	NNE	N	N	N	NNE	N	C	C	C	C	C	C
	28	NNE	N	NNE	N	N	N	C	C	C	C	C	C
	29	NNE	NNE	NNE	N	N	C	C	C	C	C	C	C
	30	NW	N	NNW	NNW	C	C	NNW	NNW	C	C	C	C
	31	NW	WNW	NW	NNW	NNW	C	C	C	C	C	C	C

VELOCITY OF THE WIND IN KILOMETERS PER HOUR.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
D E C E M B E R .	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	—
	2	0.8	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.8	3.2	4.8	1.6	—
	3	3.2	2.4	0.8	0.0	1.6	0.0	0.8	1.6	1.6	3.2	6.4	11.3	—
	4	1.6	2.4	0.0	0.8	0.0	2.4	4.8	8.9	8.0	11.3	10.5	12.9	—
	5	0.0	0.0	0.8	2.4	0.8	4.0	4.8	5.6	5.6	5.6	6.4	8.9	—
	6	2.4	3.2	2.4	2.4	1.6	0.8	1.6	5.6	7.2	5.6	9.7	10.5	—
	7	5.6	1.6	0.0	0.0	2.4	1.6	1.6	2.4	3.2	6.4	7.2	8.9	—
	8	0.0	0.0	0.0	0.0	0.0	0.0	1.6	4.8	4.0	4.0	9.7	8.0	—
	9	0.0	0.0	0.0	0.0	6.0	0.0	0.0	0.0	2.4	3.2	5.6	12.1	—
	10	0.8	0.0	0.0	0.0	0.0	0.0	0.0	4.0	4.0	4.0	4.8	8.9	—
	11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.6	1.6	0.8	4.8	—
	12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	2.4	1.6	1.6	4.8	—
	13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	3.2	3.2	3.2	3.2	—
	14	0.8	0.8	0.8	0.0	0.0	0.0	0.0	3.2	4.0	9.7	9.7	7.2	—
	15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	0.8	2.4	8.0	6.4	—
	16	0.0	0.8	2.4	0.0	0.0	0.0	0.0	1.6	0.8	2.4	5.6	3.2	—
	17	0.0	0.0	0.0	0.8	1.6	5.6	6.4	5.6	4.8	2.4	4.0	1.6	—
	18	0.0	0.0	0.0	0.0	0.8	0.8	1.6	1.6	3.2	3.2	2.4	4.8	—
	19	0.0	0.8	1.6	1.6	0.8	0.0	0.0	0.8	0.8	2.4	4.8	6.4	—
	20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	6.4	8.0	—
	21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	0.0	0.0	2.4	—
	22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.6	2.4	5.6	—
	23	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.6	3.2	2.4	6.4	9.7	—
	24	0.0	0.0	1.6	0.0	0.0	0.0	0.0	0.0	1.6	5.6	8.0	8.0	—
	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	5.6	6.4	—
	26	0.0	0.0	0.8	0.8	0.8	0.0	0.0	0.0	0.8	2.4	7.2	3.2	—
	27	0.0	0.0	0.0	0.0	0.0	0.8	0.0	0.8	1.6	3.2	3.2	4.8	—
	28	0.0	0.0	0.0	0.0	0.0	0.0	0.8	3.2	5.6	6.4	4.8	7.2	—
	29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	6.4	—
	30	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	4.8	8.0	12.9	14.5	—
	31	0.0	0.0	0.0	0.0	0.0	0.0	0.8	2.4	0.8	0.0	4.0	8.0	—
Hourly Means.		0.49	0.46	0.36	0.28	0.34	0.52	0.85	1.96	2.55	3.54	5.46	6.76	
Mean Batavia Time.		1	2	3	4	5	6	7	8	9	10	11	12	Daily Monthly Means.
D E C E M B E R .	1		4.8	3.2	2.4	1.6	0.8	0.0	0.0	0.0	0.0	0.0	0.8	0.57
	2		3.2	4.0	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.07
	3		2	5.6	5.6	4.0	5.6	2.4	0.0	1.6	2.4	4.0	2.4	3.37
	4			8.0	8.0	5.6	1.6	1.6	1.6	0.8	0.0	0.0	0.0	4.86
	5	1.6		4.8	2.4	0.8	2.4	1.6	2.4	3.2	1.6	0.8	0.8	3.51
	6	9.7		8.9	7.2	4.0	3.2	2.4	1.6	0.8	4.8	5.6	4.8	4.82
	7	9.7		8.9	6.4	4.0	0.8	0.0	0.0	0.0	0.0	0.0	0.0	3.35
	8	8.9		8.9	4.8	1.6	0.0	0.8	0.8	1.6	0.0	0.0	0.0	2.85
	9	4.8	1.6	0.8	0.0	0.0	0.0	0.0	0.0	1.6	0.8	0.0	0.0	1.47
	10	10.5		7.2	4.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.51
	11			8.0	7.2	3.2	0.8	0.0	0.0	0.8	0.0	0.0	0.0	1.80
	12	7.2	10.5	8.9	2.4	4.0	2.4	0.8	0.8	0.0	0.0	0.0	0.0	2.04
	13	4.0	4.0	4.0	2.4	5.6	2.4	0.8	0.8	0.8	0.8	0.8	0.8	1.87
	14		0.0	1.6	0.8	1.6	0.8	0.8	0.0	0.0	0.0	0.0	0.0	2.41
	15		2.4	4.8	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.53
	16		5.6	1.6	0.0	0.8	3.2	1.6	0.0	0.0	0.0	0.0	0.0	1.37
	17		0.8	0.8	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.53
	18		6.4	6.4	7.2	3.2	1.6	0.0	0.0	0.0	0.0	0.0	0.0	1.93
	19		1.6	1.6	0.8	0.0	0.0	0.0	0.0	0.8	1.6	1.6	0.0	1.50
	20	7.2	8.0	7.2	4.8	1.6	2.4	0.0	0.0	0.0	0.0	0.0	0.0	2.07
	21	6.4	3.2	4.8	3.2	3.2	0.8	0.0	0.0	0.0	0.0	0.0	0.0	1.07
	22	8.0	8.9	9.7	7.2	4.8	1.6	0.0	0.0	0.0	0.0	0.0	0.0	2.11
	23	9.7	12.9	11.3	7.2	4.0	0.8	0.0	0.0	0.0	0.0	0.0	0.0	2.92
	24	11.3	9.7	8.0	6.4	4.8	1.6	0.8	0.0	0.0	1.6	0.8	0.0	2.91
	25	6.4	8.9	8.9	8.0	3.2	0.0	0.0	0.8	0.8	0.0	0.0	0.0	2.08
	26	4.0	8.9	12.1	5.6	2.4	1.6	0.0	0.0	0.0	0.0	0.0	0.0	2.11
	27	8.0	8.0	8.0	6.4	4.0	0.8	0.0	0.0	0.0	0.0	0.0	0.0	2.07
	28	12.1	12.1	8.9	9.7	6.4	0.8	0.0	0.0	0.0	0.0	0.0	0.0	3.25
	29	2.4	2.4	4.8	3.2	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00
	30	8.9	6.4	6.4	2.4	0.0	0.0	1.6	0.8	0.0	0.0	0.0	0.0	2.85
	31	10.5	7.2	7.2	7.2	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.17
Hourly Means.		7.05	7.32	6.30	4.44	2.61	1.16	0.49	0.31	0.44	0.46	0.44	0.31	2.29

CLOUDS

CLEAR = 0. — OVERCAST = 10.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
DECEMBER.	1	8	6	6	8	8	8	7	9	9	10	10	10	—
	2	7	8	8	9	6	4	8	7	6	9	9	9	—
	3	8	7	6	6	8	6	3	2	2	4	6	6	—
	4	10	10	10	8	9	10	10	8	8	6	6	5	—
	5	10	10	10	10	10	10	10	10	10	9	10	10	—
	6	9	9	8	7	8	9	5	3	9	9	8	8	—
	7	6	6	4	3	8	4	8	9	9	8	7	8	—
	8	5	4	4	3	2	3	4	1	2	4	2	6	—
	9	9	8	6	7	6	8	3	4	6	6	4	10	—
	10	6	7	6	8	8	9	9	10	10	10	8	8	—
	11	10	10	9	6	5	9	9	10	9	9	9	9	—
	12	7	9	6	3	8	4	6	6	7	8	7	7	—
	13	10	10	8	8	6	5	2	7	1	2	1	3	—
	14	7	7	6	7	7	7	4	3	8	9	9	8	—
	15	9	10	9	4	5	8	10	9	10	10	10	10	—
	16	7	10	10	10	10	10	10	10	10	10	10	10	—
	17	7	7	9	10	10	6	10	10	10	10	10	9	—
	18	10	8	10	10	10	10	4	4	3	6	6	5	—
	19	2	4	4	6	9	10	10	7	8	6	6	8	—
	20	10	10	10	10	10	10	10	10	10	10	9	10	—
	21	6	6	3	7	8	9	10	10	10	10	10	10	—
	22	3	3	2	3	6	4	7	6	8	8	8	7	—
	23	4	2	5	5	4	2	3	6	6	8	7	7	—
	24	7	9	10	10	10	10	10	10	10	8	8	9	—
	25	3	2	2	6	8	9	10	10	8	8	7	5	—
	26	6	4	3	7	3	8	9	8	10	10	9	10	—
	27	6	9	7	4	8	2	4	5	5	6	6	3	—
	28	2	3	3	5	5	2	1	2	7	6	6	7	—
	29	6	4	4	3	3	5	2	1	2	7	4	2	—
	30	6	1	2	1	1	4	5	8	8	7	8	8	—
	31	7	6	8	10	10	10	10	10	10	10	10	10	—
Hourly Means.		6.9	6.7	6.4	6.6	7.1	6.9	6.9	6.9	7.5	7.8	7.4	7.6	—
Me Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
DECEMBER.	1	9	8	6	5	7	9	10	7	10	7	10	8	8.1
	2	9	9	7	10	9	10	10	10	10	9	10	10	8.5
	3	9	10	10	9	9	9	10	10	8	9	10	10	7.4
	4	6	4	4	3	7	8	9	9	10	10	10	9	7.9
	5	10	9	10	10	10	10	10	10	9	9	10	10	9.8
	6	9	8	9	9	10	10	10	10	8	10	10	8	8.5
	7	7	6	4	7	9	9	9	8	6	5	6	5	6.7
	8	9	9	9	9	10	10	9	10	10	9	9	9	6.3
	9	10	7	7	9	4	6	8	7	6	7	7	5	6.7
	10	7	6	10	10	10	10	10	10	10	8	9	10	8.7
	11	10	8	6	5	5	7	10	10	10	10	10	10	8.5
	12	7	9	9	10	8	9	8	7	9	9	8	10	7.5
	13	9	9	10	9	10	10	10	10	9	10	9	9	7.4
	14	9	7	6	8	9	10	10	10	10	10	8	9	7.8
	15	10	10	10	10	10	10	10	10	10	6	7	9	9.0
	16	10	10	10	10	10	10	10	10	10	10	8	9	9.8
	17	10	10	10	10	10	10	10	10	10	10	9	10	9.5
	18	10	9	7	8	6	8	6	7	3	2	3	2	6.5
	19	10	10	10	10	7	6	7	7	9	10	10	7	7.6
	20	9	10	10	10	6	9	10	10	10	6	4	7	9.2
	21	10	9	9	7	4	4	9	10	6	5	4	4	7.5
	22	7	3	3	2	3	6	6	3	1	2	4	6	4.6
	23	4	2	2	2	3	4	2	7	9	9	4	5	4.7
	24	8	9	9	7	6	8	7	6	4	3	2	1	7.5
	25	6	6	2	2	10	7	9	9	10	10	10	10	7.0
	26	9	9	9	8	10	10	9	10	10	10	10	8	8.3
	27	2	2	2	3	4	4	3	3	3	4	3	3	4.2
	28	4	3	3	4	5	7	5	2	2	7	2	5	4.1
	29	3	6	4	4	2	3	7	9	9	10	9	9	4.9
	30	2	8	10	10	10	10	10	10	10	8	6	9	6.8
	31	6	8	9	8	8	10	10	10	10	10	10	10	9.2
Hourly Means.		7.7	7.5	7.3	7.4	7.5	8.2	8.5	8.4	8.1	7.9	7.5	7.6	7.43

RAIN,
IN MILLIMETRES.

Hours of Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12
January	2	—	—	—	—	—	—	—	—	—	—	—	—
»	4	—	—	—	—	—	—	—	—	—	—	—	7.9
»	6	—	—	—	—	—	—	—	—	—	—	—	—
»	7	0.1	—	—	—	—	—	—	—	—	—	—	—
»	8	0.6	0.2	0.1	—	—	0.1	1.4	4.0	0.2	0.1	—	—
»	9	—	—	—	—	—	—	—	—	—	—	8.7	1.1
»	10	1.0	0.3	0.1	—	—	—	—	—	—	—	—	—
»	11	—	—	—	—	—	—	—	6.4	0.9	—	—	—
»	12	—	—	—	—	—	—	—	—	—	—	—	—
»	15	—	—	—	—	—	—	0.5	0.1	—	—	0.6	0.1
»	16	—	—	1.0	2.0	0.6	0.1	—	—	—	—	—	—
»	17	—	—	1.6	4.4	3.3	6.4	2.6	0.2	0.2	—	—	1.5
»	18	0.2	0.1	1.4	1.3	2.6	0.9	0.4	0.1	—	6.1	1.5	0.2
»	19	—	—	—	—	0.1	—	—	—	—	—	3.9	0.2
»	20	0.3	0.1	0.9	4.9	3.5	3.8	0.2	0.1	0.8	0.2	0.1	—
»	21	—	—	—	—	—	—	—	—	—	—	—	—
»	22	0.1	—	—	—	—	—	—	—	—	—	—	—
»	23	—	—	—	—	—	—	—	—	0.7	0.1	—	—
»	24	0.4	0.1	—	—	—	—	—	—	—	—	—	—
»	25	—	—	—	—	0.1	0.1	—	—	—	—	—	—
»	28	—	—	—	—	—	—	—	—	—	—	—	—
»	29	—	—	—	—	—	—	—	—	—	—	—	—
»	30	1.2	0.1	—	—	—	—	—	—	—	—	—	—
February	2	—	—	—	—	—	—	—	—	—	—	—	—
»	3	—	—	—	—	—	—	—	—	—	—	—	—
»	4	0.2	0.1	0.1	0.1	—	—	—	—	—	—	—	—
»	6	—	—	—	—	—	—	—	—	—	—	—	—
»	7	—	—	—	—	—	—	—	—	—	—	—	—
»	8	—	—	—	—	—	—	—	—	—	—	—	—
»	9	—	—	—	—	—	—	—	—	—	—	—	—
»	10	1.1	0.7	1.3	33.5	3.6	5.2	3.9	1.4	0.3	0.2	0.3	0.4
»	13	—	—	—	—	0.3	0.1	—	—	—	—	—	—
»	14	—	—	—	—	—	—	—	—	—	—	0.1	—
»	15	0.2	0.1	0.1	—	0.1	0.1	—	—	—	—	0.2	—
»	16	—	—	0.3	3.3	3.3	2.7	0.1	—	1.3	0.2	—	—
»	17	—	—	—	—	3.0	0.4	1.6	0.6	1.0	0.2	2.8	—
»	18	—	—	—	5.7	0.3	—	—	—	—	—	—	—
»	20	—	—	0.3	1.2	0.1	—	0.4	0.1	2.0	1.9	0.1	0.4
»	21	0.2	—	—	0.5	0.1	0.1	0.4	2.1	1.9	2.3	0.4	0.4
»	22	—	—	—	0.1	—	—	—	—	—	—	—	—
»	23	—	1.5	17.9	5.0	4.0	0.6	0.6	0.2	0.1	0.1	—	—
»	24	0.1	—	—	—	—	—	—	—	—	—	—	—
»	25	1.8	0.6	0.2	2.6	1.2	1.7	0.6	1.9	1.4	0.1	—	—
»	26	—	—	—	—	0.8	0.5	—	—	—	—	—	—
»	27	4.0	2.9	0.8	3.9	0.6	0.2	0.1	—	—	—	—	—
»	28	—	—	—	—	—	—	—	—	—	—	—	—
»	29	—	—	—	—	—	—	—	—	—	—	—	—
March	2	—	—	—	—	—	0.2	0.9	—	—	—	—	—
»	4	—	—	—	0.3	4.0	0.4	0.6	0.8	0.1	—	—	—
»	5	—	—	—	—	—	—	—	—	—	—	—	—
»	6	—	—	—	—	—	—	—	—	—	—	—	—
»	7	—	—	—	—	—	—	—	—	—	—	—	—
»	10	0.6	0.1	—	—	—	—	—	—	—	—	—	—
»	11	—	—	0.9	0.1	0.2	0.2	0.3	0.2	0.3	0.2	—	—
»	12	—	—	—	—	—	—	—	—	—	—	—	—
»	14	—	—	—	—	—	—	—	—	—	—	—	—
»	17	—	—	—	0.5	0.3	0.2	0.1	—	—	—	—	—
»	18	—	—	—	—	—	—	—	—	—	—	—	—
»	19	—	—	—	—	—	—	—	—	—	—	—	—
»	20	—	—	—	—	—	—	—	—	—	—	—	—
»	21	—	—	—	—	—	—	—	—	—	—	—	—
»	22	—	—	—	—	—	—	—	—	—	—	—	8.5
»	23	—	—	—	—	—	—	—	—	—	—	—	—
»	24	—	—	—	—	—	2.3	0.6	0.2	—	—	—	—
»	25	—	—	—	—	—	—	—	—	—	—	—	—
»	30	—	—	—	—	—	—	—	—	—	—	—	0.8
»	31	—	—	—	—	—	—	—	—	—	—	—	—
April	5	—	—	—	—	—	—	—	—	—	—	—	—
»	6	—	—	—	—	—	—	—	—	—	—	—	—
»	8	—	—	—	—	—	—	—	—	—	—	—	—
»	9	—	—	0.2	—	—	—	—	0.1	—	—	—	—
»	10	—	—	—	—	—	—	—	—	—	—	—	0.4
»	19	—	—	—	—	—	—	—	—	—	—	—	—

RAIN,
IN MILLIMETRES.

1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily Amount.
13.5	0.1	—	—	—	—	—	—	—	—	—	—	13.6
0.3	—	—	—	—	—	—	—	—	—	—	—	8.2
—	—	—	—	—	—	—	0.5	0.9	0.6	0.4	0.4	2.8
—	—	—	—	—	—	—	1.4	1.6	0.4	0.3	0.5	4.3
—	—	—	1.1	0.1	—	—	—	—	—	—	—	7.9
1.4	0.5	1.0	0.7	0.2	0.1	0.2	0.2	0.1	0.1	11.8	1.6	27.7
—	—	—	—	—	—	0.5	1.7	1.9	0.2	0.1	0.1	5.9
—	—	0.6	3.7	2.8	1.2	0.5	0.1	—	—	—	—	16.2
16.4	4.4	0.1	—	—	—	—	—	—	—	—	—	20.9
—	—	—	—	—	—	—	—	0.2	—	—	—	1.5
—	—	—	—	—	—	—	—	—	—	—	—	3.7
0.1	—	—	—	—	—	—	—	2.3	5.1	9.5	1.4	38.6
—	—	—	—	—	—	—	—	—	—	—	—	14.8
0.1	—	—	—	—	—	—	—	—	—	—	6.9	11.2
—	—	—	—	—	—	0.3	0.1	0.2	0.1	—	0.1	15.7
—	—	—	—	15.4	1.5	0.4	1.2	0.2	0.1	—	—	18.8
—	—	—	—	—	—	—	—	—	—	—	—	0.1
—	—	—	—	—	—	—	0.8	0.2	—	—	0.1	1.9
—	—	—	—	—	—	5.8	0.2	—	—	—	—	6.5
—	—	—	—	—	—	—	—	—	—	—	—	0.2
—	—	3.3	0.2	—	—	—	—	—	—	—	—	3.5
—	—	—	—	—	—	—	—	—	—	1.4	0.6	2.0
—	—	—	—	—	—	—	—	—	—	—	—	1.3
1.8	0.1	—	—	—	—	—	—	—	—	—	—	1.9
—	—	—	—	—	—	—	—	—	—	0.1	4.0	4.1
—	—	—	1.7	1.6	0.3	0.1	—	—	—	—	—	4.2
—	0.1	—	—	—	—	—	2.6	1.0	0.7	0.1	—	4.5
5.3	13.6	14.0	0.5	0.5	0.1	—	—	—	—	—	—	34.0
—	—	—	—	—	0.1	0.3	0.4	0.1	—	—	—	0.9
—	—	—	0.5	1.4	—	—	—	—	—	—	2.7	4.6
—	—	—	—	—	—	—	—	—	—	—	—	51.9
0.1	—	—	—	—	—	—	—	—	—	—	—	0.5
—	0.1	—	—	—	—	0.9	0.1	0.8	3.2	2.5	0.9	8.6
—	—	—	—	—	—	0.9	0.1	21.9	0.6	0.1	—	24.4
—	—	—	—	—	—	—	—	—	—	—	—	11.2
—	—	—	—	—	—	—	—	—	—	—	—	9.8
—	—	—	—	—	—	—	—	—	—	—	—	6.0
—	—	—	—	—	—	—	—	17.4	3.9	3.0	0.3	31.1
0.1	—	—	0.9	0.1	—	—	—	6.8	0.2	5.8	0.2	22.5
—	—	—	—	—	—	—	0.5	4.5	0.2	0.1	—	5.4
—	—	—	—	—	—	—	—	—	0.2	1.1	0.3	31.6
—	—	—	—	—	—	—	—	5.0	58.8	1.2	0.2	65.3
—	—	—	—	—	—	—	—	—	—	—	—	12.1
—	—	—	—	—	—	—	—	—	—	—	—	1.3
—	—	—	15.5	0.5	0.5	0.1	0.1	—	—	—	—	29.2
—	—	—	—	1.9	6.1	0.2	—	—	—	—	—	8.2
—	—	—	—	0.3	7.9	14.9	0.1	—	—	—	—	23.2
—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	1.1	0.5	0.1	—	—	—	—	—	—	2.8
—	—	—	—	0.7	0.2	—	—	—	—	—	—	7.1
—	—	—	—	2.1	0.4	0.3	—	—	—	—	—	2.8
—	—	—	—	—	10.2	0.2	—	—	—	—	—	10.4
—	—	—	0.3	1.1	0.1	—	—	—	—	—	—	1.5
—	—	—	—	—	—	—	—	—	—	—	—	0.7
—	—	—	—	0.5	—	—	—	—	0.1	—	—	3.0
—	—	0.1	—	—	—	—	—	—	—	—	—	0.1
0.3	—	—	—	—	—	—	—	—	—	—	—	0.3
—	—	—	—	—	—	—	—	—	—	—	—	1.1
—	—	—	30.2	28.1	1.3	0.3	0.1	—	—	—	—	60.0
—	—	—	—	—	—	—	5.0	0.1	—	—	—	5.1
—	2.7	10.4	0.9	0.1	—	—	—	—	—	—	—	14.1
—	12.9	0.1	—	—	—	—	—	—	—	—	—	13.0
—	0.2	1.5	0.2	—	—	—	—	—	—	—	—	12.5
2.1	0.5	0.1	—	—	—	—	—	—	—	—	—	18.7
18.1	—	—	—	—	—	—	—	—	—	—	—	3.1
—	—	—	—	—	—	—	—	—	—	—	—	0.5
—	—	—	—	0.4	0.1	—	—	—	—	—	—	0.8
—	—	—	—	—	—	—	—	—	1.0	—	—	1.0
—	—	—	—	—	—	—	—	0.2	0.1	—	—	0.3
—	—	—	—	0.1	—	—	—	—	—	—	—	0.1
—	—	—	—	—	0.1	0.1	0.1	—	—	—	—	0.3
—	—	—	—	—	—	—	—	—	—	—	—	0.3
—	—	—	1.2	0.3	0.1	6.1	1.0	0.2	0.1	—	—	9.4
—	—	—	—	—	—	1.6	1.3	0.4	—	—	—	3.3

RAIN,
IN MILLIMETRES.

Hours of Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12
April	20	—	—	0.2	0.1	—	—	—	—	—	—	—	—
»	22	—	—	—	0.4	0.1	—	—	—	—	—	—	—
»	25	—	—	—	—	—	—	—	—	—	—	—	—
»	27	—	—	—	—	—	—	—	—	—	—	—	—
»	28	0.1	—	—	—	—	—	—	—	—	—	—	—
May	2	—	—	—	—	—	—	—	—	—	—	—	—
»	4	—	—	—	—	—	—	—	—	—	—	—	—
»	5	0.9	0.6	0.7	0.1	—	—	—	—	—	—	—	—
»	6	—	—	—	—	—	—	—	—	—	—	—	—
»	7	—	—	—	—	—	—	—	—	—	—	—	0.3
»	8	—	—	—	—	—	—	—	—	—	—	—	0.8
»	10	—	—	—	—	—	—	—	—	—	—	—	—
»	11	0.5	0.4	0.1	—	—	—	—	—	—	—	—	—
»	12	—	—	—	—	—	—	—	—	—	—	—	—
»	16	—	—	—	—	—	—	—	—	—	—	—	—
»	21	—	—	—	—	—	—	—	—	—	—	—	—
»	22	—	—	—	—	—	—	—	—	—	—	—	—
»	27	—	—	—	—	—	—	—	—	—	—	—	—
»	28	—	—	—	—	—	—	—	—	—	—	—	—
»	30	—	—	—	—	—	—	—	—	—	—	—	—
»	31	—	—	—	—	—	0.3	0.4	—	—	—	—	—
June	3	—	—	—	—	—	—	—	—	—	—	—	—
»	6	—	—	—	0.2	0.1	—	—	—	—	—	—	—
»	10	—	—	—	—	—	—	—	0.6	8.4	0.1	22.4	1.5
»	13	—	—	—	—	—	—	—	—	—	—	—	—
»	14	1.5	4.6	0.1	—	—	—	—	—	—	—	—	—
»	15	—	—	—	—	—	—	—	—	—	—	—	—
»	16	—	—	—	—	—	—	—	—	—	—	—	—
»	23	—	—	—	—	—	—	—	—	—	—	—	—
»	24	0.1	—	—	—	—	—	—	—	—	—	—	—
»	25	0.1	—	—	—	—	—	—	—	—	—	—	—
July	2	—	—	—	—	—	—	—	—	—	—	—	—
»	3	—	—	—	—	—	0.1	0.1	—	—	—	—	—
»	4	—	—	—	—	—	—	—	—	—	—	—	—
»	5	—	—	—	—	—	—	—	—	—	—	—	—
»	6	0.5	0.1	—	0.6	0.9	0.3	0.1	—	—	—	—	—
»	27	—	—	—	—	—	—	—	—	—	—	—	—
August	12	—	—	1.9	5.6	0.1	—	0.5	0.1	—	—	—	—
»	19	—	—	—	—	—	—	—	—	—	—	—	—
»	24	—	—	—	—	—	—	—	—	—	—	—	—
»	26	—	—	—	—	—	—	—	—	—	—	—	3.7
September	23	—	—	—	—	—	—	—	—	—	—	—	—
»	27	—	—	—	—	—	—	—	—	—	—	—	—
»	28	—	—	—	—	—	10.5	—	—	—	—	—	—
October	6	—	—	—	—	—	—	—	—	—	—	—	—
»	7	—	—	—	—	—	—	—	—	—	—	—	—
»	12	—	—	—	—	—	—	—	—	—	—	3.8	0.2
»	18	—	—	—	—	—	—	—	—	—	—	—	—
»	19	—	—	—	—	—	—	—	—	—	—	—	—
»	20	—	—	—	—	—	—	—	—	—	—	—	—
»	21	—	—	—	—	—	—	—	—	—	—	0.3	0.1
»	24	—	2.8	0.3	—	—	—	—	—	—	—	—	—
»	26	0.2	—	—	—	—	—	—	—	—	—	—	—
»	28	—	—	—	—	—	—	—	—	—	—	—	—
November	1	—	—	—	—	—	—	—	—	—	—	—	—
»	3	—	—	—	—	—	—	—	—	—	—	—	—
»	9	—	—	—	—	—	—	—	—	—	—	—	—
»	15	—	—	—	—	—	—	—	—	—	—	—	—
»	17	—	—	—	—	—	—	—	—	—	—	—	—
»	18	2.0	0.9	0.1	—	—	—	—	—	—	—	—	—
»	19	—	—	—	2.5	0.2	0.1	—	—	—	—	—	—
»	21	—	—	—	—	—	—	—	—	—	—	—	—
»	22	—	—	—	—	—	—	—	—	—	—	—	7.8
»	23	—	—	—	—	—	—	—	—	—	—	—	—
»	24	—	—	0.2	0.2	—	—	—	—	—	—	—	—
»	25	—	—	—	—	—	—	—	—	—	—	—	—
»	26	—	—	—	—	—	—	—	—	—	—	—	—
»	27	0.1	—	—	—	—	—	—	—	—	—	—	—
»	28	—	—	—	0.1	—	—	—	—	—	—	—	—

RAIN,
IN MILLIMETRES.

1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily Amount.
—	—	—	—	—	—	—	—	—	—	—	—	0.3
—	—	—	—	—	—	—	—	—	—	—	—	0.5
—	—	0.3	—	—	—	—	—	—	—	—	—	0.3
—	—	—	—	—	—	—	—	—	—	—	1.6	1.6
6.8	—	—	—	—	—	—	—	—	—	—	—	6.9
—	14.0	8.3	0.1	—	—	—	—	—	—	—	—	22.4
—	—	—	—	—	—	—	—	—	—	0.2	8.0	8.2
—	2.6	1.3	—	—	—	—	—	—	—	—	—	6.2
—	—	—	11.2	0.1	—	—	—	—	—	—	—	11.3
7.3	0.1	—	—	—	—	—	—	—	—	—	—	7.7
—	—	—	—	—	—	—	—	—	—	—	—	0.8
—	—	—	—	—	0.5	10.6	0.2	—	—	—	0.2	11.5
—	—	—	—	—	—	—	—	—	—	—	—	1.0
—	—	2.1	—	—	—	—	—	—	—	—	—	2.1
—	—	—	—	—	—	—	—	—	—	0.1	0.1	0.2
—	—	1.5	0.2	—	—	—	—	—	—	—	—	1.7
—	—	—	—	—	9.0	1.0	—	—	—	—	—	10.0
—	0.9	—	—	—	—	—	—	—	—	—	—	0.9
—	—	1.1	—	—	—	—	—	—	—	—	—	1.1
—	—	—	—	5.4	0.1	0.4	—	—	—	—	—	5.9
—	—	—	—	—	—	—	—	—	—	—	—	0.7
—	—	3.3	0.5	—	—	—	—	—	—	—	—	3.8
—	—	—	—	—	—	—	—	—	—	—	—	0.3
—	—	—	—	—	—	—	—	—	—	—	—	33.0
—	—	—	—	—	—	—	0.5	0.8	0.2	—	0.6	2.1
—	—	—	—	—	—	—	—	—	—	—	—	6.2
—	—	—	0.2	—	—	—	—	—	—	—	—	0.2
—	—	0.3	—	—	0.6	—	—	—	—	—	—	0.9
—	—	—	—	—	—	—	—	—	—	—	15.7	15.7
—	—	—	—	—	—	—	—	8.7	0.5	4.3	0.8	14.4
—	—	—	0.4	1.8	—	—	—	—	—	—	—	2.3
—	—	0.3	—	4.0	—	—	—	—	—	0.1	—	4.4
—	—	—	—	—	—	—	—	—	—	—	—	0.2
—	—	0.1	0.1	1.3	2.5	1.3	1.2	0.5	0.1	—	—	7.1
—	—	—	—	—	—	—	—	—	0.7	1.5	0.6	2.8
—	—	—	—	—	—	—	—	—	—	—	—	2.5
—	—	—	—	—	—	11.3	70.1	1.8	—	—	—	83.2
—	—	—	—	—	—	—	—	—	—	—	—	8.2
—	—	—	—	—	—	—	—	—	—	0.1	0.2	0.3
—	—	—	0.1	—	—	—	—	—	—	—	—	0.1
0.1	—	—	—	—	—	—	—	—	—	—	—	3.8
—	—	—	—	—	0.7	1.5	0.2	—	—	—	—	2.4
—	—	—	—	9.7	0.1	—	—	—	—	—	—	9.8
—	—	—	—	—	—	—	—	—	—	—	—	10.5
—	—	—	—	—	20.5	1.1	0.1	—	13.0	0.3	—	35.0
—	—	—	—	—	—	—	—	—	8.9	0.3	0.1	9.3
—	—	—	—	—	—	—	—	—	—	—	—	4.0
—	—	—	1.8	0.1	—	—	—	—	—	—	—	1.9
—	—	—	—	—	—	—	—	0.2	—	0.1	—	0.3
—	—	—	—	—	—	2.7	4.3	0.1	—	—	—	7.1
5.5	0.1	—	—	—	—	—	0.1	—	—	—	—	6.1
—	—	—	—	—	—	—	—	—	—	—	—	3.1
—	—	—	—	—	—	—	—	—	—	—	—	0.2
—	—	—	0.1	—	—	—	—	—	—	—	—	0.1
—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	27.0	3.8	0.1	—	—	—	30.9
—	—	12.6	16.2	0.1	—	—	—	—	—	—	—	28.9
—	—	—	—	—	—	—	13.4	3.4	0.2	0.1	—	17.1
—	—	—	—	0.6	0.3	0.1	—	—	—	—	—	1.0
—	—	—	6.2	0.1	—	0.2	0.1	—	—	—	—	6.6
—	—	—	—	—	—	—	—	—	—	—	—	3.0
—	—	—	—	—	—	—	—	—	—	—	—	2.8
—	—	—	—	1.1	0.1	—	—	—	—	—	—	1.2
0.1	9.0	0.2	—	—	—	—	—	—	—	—	—	17.1
—	—	—	14.4	0.1	0.2	—	—	—	—	—	—	14.7
—	—	4.9	1.4	0.1	—	—	—	—	—	—	—	6.8
—	—	—	—	—	0.2	0.1	—	—	—	—	—	0.3
—	—	—	7.9	0.8	0.1	—	0.3	1.2	0.5	0.1	0.1	11.0
—	—	4.9	5.1	0.2	—	0.4	0.1	0.1	—	—	—	10.9
—	—	—	1.7	8.4	9.8	3.1	0.2	0.1	—	—	—	23.4

RAIN.
IN MILLIMETRES.

Hours of Mean Batavia Time.	1 A. M.	2	3	4	5	6	7	8	9	10	11	12
November 29	—	—	—	—	—	—	—	—	—	—	—	—
» 30	—	—	—	—	—	—	—	—	—	—	—	—
December 2	—	—	—	—	—	—	—	—	—	—	—	—
» 3	—	—	—	—	—	—	—	—	—	—	—	—
» 4	0.1	—	—	—	—	—	—	—	—	—	—	—
» 9	—	—	—	—	—	—	—	—	—	—	—	—
» 10	—	—	—	—	—	—	—	—	—	—	—	—
» 11	—	0.1	0.1	—	—	—	—	—	—	—	—	—
» 12	—	—	—	—	—	—	—	—	—	—	—	—
» 13	0.3	0.4	—	—	—	—	—	—	—	—	—	—
» 14	—	—	—	—	—	—	—	—	—	—	—	—
» 15	0.1	—	—	—	—	—	—	—	—	—	—	14.2
» 16	—	—	0.1	1.8	3.7	0.2	0.3	0.7	0.4	0.1	—	13.2
» 17	—	—	—	3.0	0.2	—	—	—	—	0.1	—	—
» 18	—	—	—	—	0.2	0.2	0.2	—	—	—	—	—
» 19	—	—	—	—	—	—	0.2	—	—	—	—	—
» 20	0.1	0.1	—	—	0.4	0.1	—	—	—	—	—	—
» 21	—	—	—	—	—	—	—	—	11.3	19.0	0.2	0.1
» 24	—	—	2.7	17.5	0.3	0.1	0.2	0.1	—	—	—	—
» 25	—	—	—	—	—	—	—	—	—	—	—	—
» 30	—	—	—	—	—	—	—	—	—	—	—	—
» 31	—	—	—	—	—	—	—	—	5.3	10.9	2.0	0.3

RAIN
IN MILLIMETRES.

Hours of Mean Batavia Time.	1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily Amount.
November 29	—	3.7	—	—	—	—	0.1	0.6	0.2	0.1	—	—	4.7
» 30	—	—	—	—	—	0.3	0.2	—	0.1	—	—	—	0.6
December 2	—	—	—	—	—	—	—	0.1	0.2	—	—	—	0.3
» 3	—	—	—	—	—	—	0.3	0.3	—	—	—	—	0.6
» 4	—	—	—	—	—	—	—	—	—	—	—	—	0.1
» 9	5.3	0.2	0.7	2.5	0.2	—	—	—	—	—	—	—	8.9
» 10	—	—	—	—	0.3	0.2	0.2	—	—	—	—	—	0.7
» 11	—	—	—	—	—	—	—	—	0.3	0.2	—	—	0.7
» 12	—	—	—	—	—	—	—	—	—	—	—	0.1	0.1
» 13	—	—	—	—	—	—	—	—	—	—	—	—	0.7
» 14	—	—	—	—	—	6.3	0.5	0.6	0.2	0.1	0.5	0.1	8.3
» 15	0.2	—	—	—	—	2.6	1.1	0.3	0.1	0.1	—	—	18.7
» 16	3.4	0.2	0.1	0.1	0.1	—	—	—	—	—	—	—	24.4
» 17	0.2	0.4	2.0	3.7	0.1	—	—	—	—	—	—	—	9.7
» 18	—	—	—	0.8	—	—	—	—	—	—	—	—	1.1
» 19	2.5	0.4	31.1	2.6	0.2	—	—	—	—	12.7	0.9	0.3	50.9
» 20	—	—	—	—	—	—	7.7	1.3	0.1	—	—	—	9.8
» 21	0.1	—	—	—	—	—	—	—	—	—	—	—	30.7
» 24	—	—	—	—	—	—	—	—	—	—	—	—	20.9
» 25	—	—	—	—	—	—	—	—	—	0.8	0.2	0.2	1.2
» 30	—	—	—	—	—	0.3	0.8	2.1	0.7	0.1	—	—	4.0
» 31	0.1	—	—	—	—	—	—	—	—	22.1	17.9	2.9	61.5

RESULTS
OF
METEOROLOGICAL OBSERVATIONS
1884.

T A B L E 1. — Mean height of the Barometer in 1884.
Barometer at 0°C = 750^{mm} + the numbers in the Table.

Hours of mean Batavia Time.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual Means.
	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.
1 a. m.	9.38	9.81	8.81	8.96	8.64	9.55	9.46	9.61	10.02	9.39	8.46	9.25	9.28
2	8.97	9.44	8.34	8.54	8.19	9.13	9.09	9.28	9.73	9.06	8.07	8.83	8.89
3	8.75	9.13	8.08	8.32	7.93	8.87	8.83	9.02	9.63	8.99	7.86	8.61	8.66
4	8.76	9.06	8.03	8.26	7.86	8.81	8.80	8.99	9.70	8.99	7.90	8.58	8.65
5	9.00	9.24	8.21	8.38	8.01	9.02	8.99	9.18	9.92	9.20	8 17	8.83	8.85
6	9.42	9.57	8.55	8.77	8.32	9.31	9.26	9.51	10.33	9.54	8.54	9.28	9.20
7	9.87	10.03	9.06	9.23	8.84	9.73	9.68	10.01	10.79	10.02	9.00	9.82	9.67
8	10.27	10.57	9.51	9.59	9.18	10.15	10.16	10.42	11.18	10.39	9.33	10.12	10.07
9	10.45	10.77	9.75	9.86	9.41	10.24	10.28	10.63	11.33	10.42	9.41	10.28	10.24
10	10.32	10.68	9.67	9.78	9.34	10.06	10.08	10.41	11.13	10.20	9.22	10.14	10.09
11	9.97	10.40	9.28	9.35	8.92	9.70	9.65	9.92	10.50	9.73	8.76	9.76	9.66
12	9.49	9.85	8.64	8.72	8.29	9.12	9.04	9.26	9.69	9.00	8.11	9.29	9.04
1 p. m.	8.83	9.11	7.92	8.07	7.63	8.57	8.42	8.57	8.97	8.24	7.42	8.70	8.37
2	8.16	8.45	7.31	7.36	7.07	8.01	7.80	7.89	8.38	7.66	6.88	8.04	7.75
3	7.64	7.95	6.89	6.90	6.71	7.65	7.43	7.48	8.00	7.38	6.60	7.50	7.34
4	7.48	7.78	6.89	6.99	6.80	7.67	7.45	7.42	7.99	7.31	6.59	7.41	7.32
5	7.78	7.96	7.11	7.35	7.15	7.92	7.72	7.69	8.24	7.71	6.99	7.67	7.61
6	8.30	8.40	7.71	7.85	7.61	8.31	8.13	8.10	8.78	8.44	7.62	8.27	8.13
7	8.97	8.92	8.27	8.44	8.18	8.82	8.62	8.74	9.38	9.00	8.29	8.89	8.71
8	9.46	9.59	8.80	9.01	8.76	9.39	9.21	9.36	9.96	9.49	8.89	9.36	9.27
9	9.87	10.21	9.29	9.45	9.20	9.88	9.65	9.80	10.46	10.01	9.30	9.80	9.74
10	10.13	10.58	9.57	9.65	9.38	10.06	9.85	10.11	10.76	10.30	9.42	10.02	9.99
11	10.17	10.60	9.52	9.64	9.29	10.07	9.81	10.19	10.72	10.18	9.29	9.95	9.96
12	9.90	10.27	9.20	9.35	9.07	9.93	9.72	10.01	10.44	9.79	8.96	9.68	9.69
Monthly Means.	9.22	9.52	8.52	8.66	8.32	9.17	9.05	9.23	9.83	9.18	8.30	9.09	9.01

T A B L E 2. — Mean Temperature of the Air in 1884.
Centesimal degrees.

Hours of mean Batavia Time.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual Means.
1 a. m.	23.64	23.73	23.91	24.25	24.33	24.12	23.53	23.92	24.11	24.10	24.07	23.80	23.96
2	23.18	23.51	23.68	23.98	24.12	23.79	23.22	23.68	23.77	23.83	23.82	23.63	23.71
3	23.31	23.32	23.46	23.79	23.94	23.52	22.91	23.33	23.44	23.62	23.61	23.47	23.48
4	23.13	23.15	23.19	23.54	23.75	23.28	22.63	23.04	23.18	23.41	23.44	23.31	23.25
5	23.01	23.01	23.03	23.35	23.59	23.02	22.37	22.83	22.94	23.22	23.25	23.20	23.07
6	22.91	22.92	22.88	23.16	23.41	22.81	22.11	22.61	22.65	23.08	23.17	23.09	22.90
7	23.17	23.03	23.13	23.44	23.63	23.03	22.20	22.75	23.11	23.77	23.86	23.51	23.22
8	24.09	23.85	24.22	24.65	24.75	24.33	23.39	24.12	24.99	25.60	25.51	24.54	24.50
9	25.37	25.05	25.60	26.37	26.45	26.14	25.31	26.07	27.09	27.53	27.19	25.46	26.14
10	26.45	26.01	26.83	27.72	27.81	27.64	26.92	27.66	28.58	28.96	28.44	26.31	27.48
11	27.11	26.69	27.81	28.77	28.67	28.68	28.18	28.86	29.79	29.83	29.42	27.27	28.42
12	27.73	27.27	28.20	29.26	29.35	29.41	29.02	29.52	30.43	30.19	29.86	27.70	29.00
1 p. m.	27.74	27.80	28.44	29.29	29.57	29.89	29.33	29.68	30.30	30.11	29.84	27.85	29.15
2	27.87	27.80	28.10	29.45	29.20	29.74	29.17	29.70	29.98	29.86	29.32	27.95	29.01
3	27.61	27.58	27.91	29.24	28.63	29.35	28.82	29.38	29.79	29.63	28.51	27.58	28.67
4	27.37	27.44	27.21	28.56	28.54	29.02	28.32	28.82	29.13	29.26	27.86	27.19	28.20
5	26.79	26.73	26.55	27.82	28.09	28.41	27.64	28.41	28.39	28.61	27.29	26.78	27.60
6	26.47	26.49	25.93	27.04	27.31	27.62	26.91	27.32	27.61	27.61	26.56	26.13	26.87
7	25.45	25.53	25.45	26.42	26.61	26.85	26.16	26.70	26.97	26.78	25.87	25.50	26.19
8	25.02	25.13	25.13	25.90	26.06	26.13	25.41	26.09	26.40	26.22	25.40	25.17	25.67
9	24.64	24.71	24.81	25.46	25.58	25.47	24.83	25.54	25.81	25.60	25.00	24.82	25.19
10	24.36	24.42	24.54	25.10	25.20	25.07	24.40	25.07	25.37	25.13	24.78	24.53	24.83
11	24.10	24.21	24.31	24.84	24.91	24.72	24.09	24.69	24.94	24.75	24.48	24.25	24.52
12	23.83	23.95	24.13	24.56	24.58	24.32	23.76	24.29	24.56	24.43	24.24	24.03	24.22
Monthly Means.	25.43	25.11	25.35	26.09	26.17	26.10	25.44	25.99	26.39	26.46	26.03	25.29	25.80

TABLE 3. — Mean relative Humidity of the Air in 1884.
Saturation = 1000.

Hours of mean Batavia Time.	January.	February.	March.	April	May.	June.	July.	August.	September.	October.	November.	December.	Annual Means.
1 a. m.	939	941	926	919	925	910	892	885	863	884	911	915	909
2	938	915	931	927	930	919	900	887	866	887	917	915	914
3	943	919	937	929	934	921	908	890	870	891	920	921	918
4	945	952	940	933	938	921	911	897	874	893	921	924	921
5	945	958	947	935	940	924	915	899	878	895	925	926	924
6	943	956	951	936	943	926	915	901	879	897	928	928	925
7	938	956	950	929	936	917	905	899	867	876	902	927	917
8	911	931	911	880	900	872	864	843	791	805	845	879	869
9	858	883	855	809	833	801	784	758	703	712	765	837	800
10	812	831	801	743	767	718	689	678	618	642	700	805	734
11	780	796	752	699	729	666	634	625	568	604	657	764	690
12	748	773	736	684	701	632	596	608	555	603	646	751	669
1 p. m.	748	754	729	691	696	620	598	623	583	627	660	746	673
2	742	749	749	687	717	633	622	624	597	631	696	741	682
3	755	758	762	701	754	658	647	636	601	638	727	756	699
4	767	765	783	725	767	680	669	662	629	648	747	778	718
5	800	794	822	760	782	720	702	695	672	678	779	791	750
6	830	827	845	807	820	772	743	735	705	725	809	816	786
7	875	873	869	836	851	812	788	770	743	776	842	848	824
8	898	898	880	866	879	845	821	798	771	809	870	864	850
9	913	916	894	885	895	870	842	822	795	835	881	882	869
10	921	929	903	899	906	879	858	840	815	856	892	890	882
11	928	933	910	904	913	891	872	853	831	871	900	897	892
12	934	938	918	912	918	901	886	869	852	876	907	905	901
Monthly Means.	867	875	863	833	819	809	790	779	747	773	823	850	822

TABLE 4. — Mean Tension of the Atmospheric Vapour in 1884.

Hours of mean Batavia Time.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual Means.
1 a. m.	20.43	20.64	20.53	20.83	21.07	20.47	19.33	19.66	19.35	19.82	20.39	20.16	20.22
2	20.22	20.44	20.37	20.67	20.92	20.28	19.15	19.39	19.02	19.59	20.22	19.97	20.02
3	20.11	20.30	20.23	20.47	20.81	19.98	18.97	19.07	18.72	19.40	20.03	19.89	19.83
4	19.95	20.16	19.96	20.25	20.65	19.72	18.73	18.89	18.52	19.21	19.86	19.75	19.64
5	19.81	20.10	19.91	20.07	20.47	19.47	18.54	18.69	18.33	19.03	19.73	19.66	19.48
6	19.65	19.95	19.79	19.87	20.33	19.28	18.26	18.46	18.07	18.92	19.68	19.59	19.32
7	19.85	20.06	20.06	20.03	20.41	19.31	18.14	18.58	18.31	19.28	19.95	20.06	19.50
8	20.42	20.58	20.62	20.48	21.02	19.89	18.59	19.00	18.81	19.84	20.64	20.27	20.01
9	20.78	20.97	20.99	20.82	21.52	20.34	18.94	19.13	18.86	19.59	20.60	20.34	20.24
10	20.90	20.86	21.12	20.66	21.45	19.88	18.26	18.81	18.12	19.18	20.22	20.51	20.00
11	20.82	20.73	20.98	20.64	21.42	19.59	18.06	18.56	17.83	18.89	20.12	20.57	19.85
12	20.71	20.83	20.92	20.78	21.43	19.38	17.85	18.72	18.05	19.22	20.30	20.69	19.91
1 p. m.	20.69	21.01	21.03	20.95	21.51	19.56	18.24	19.38	18.76	19.90	20.67	20.71	20.20
2	20.71	20.82	21.12	21.06	21.66	19.75	18.78	19.43	18.87	19.79	21.05	20.71	20.31
3	20.68	20.79	21.23	21.20	22.02	20.02	19.11	19.42	18.79	19.66	20.95	20.70	20.38
4	20.76	20.45	20.99	21.04	22.27	20.30	19.17	19.57	18.85	19.55	20.63	20.83	20.37
5	20.89	20.67	21.20	21.07	22.10	20.77	19.32	19.71	19.28	19.69	20.88	20.69	20.52
6	20.92	20.89	21.07	21.41	22.14	21.26	19.61	19.88	19.36	19.90	20.83	20.58	20.65
7	21.20	21.25	21.12	21.43	22.10	21.41	19.95	20.09	19.69	20.32	20.88	20.63	20.84
8	21.22	21.40	21.02	21.56	22.12	21.38	19.90	20.13	19.76	20.49	21.01	20.62	20.88
9	21.13	21.29	20.98	21.51	21.93	21.21	19.77	20.09	19.70	20.43	20.82	20.64	20.79
10	20.96	21.24	20.83	21.41	21.72	20.93	19.63	19.96	19.71	20.40	20.81	20.49	20.67
11	20.76	21.06	20.70	21.22	21.52	20.79	19.59	19.84	19.59	20.29	20.66	20.31	20.53
12	20.56	20.85	20.64	21.05	21.23	20.52	19.50	19.74	19.62	20.03	20.55	20.23	20.38
Monthly Means.	20.59	20.72	20.73	20.85	21.41	20.23	18.97	19.34	18.92	19.68	20.48	20.36	20.19

TABLE 5. — Hourly, monthly and annual Means of the recorded velocity of the Wind for the year 1884.

Hours of mean Batavia Time.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Year.
	k. p. h.	k. p. h.	k. p. h.	k. p. h.	k. p. h.	k. p. h.	k. p. h.	k. p. h.	k. p. h.	k. p. h.	k. p. h.	k. p. h.	k. p. h.
1 a. m.	0.03	0.77	0.23	0.05	0.18	0.32	0.18	0.36	0.21	0.05	0.11	0.19	0.25
2	0.47	0.58	0.18	0.08	0.26	0.32	0.23	0.36	0.19	0.18	0.24	0.46	0.30
3	0.46	0.41	0.28	0.08	0.18	0.43	0.31	0.44	0.11	0.10	0.11	0.36	0.27
	0.39	0.36	0.52	0.00	0.08	0.54	0.26	0.21	0.03	0.13	0.05	0.28	0.24
5	0.57	0.33	0.13	0.13	0.08	0.29	0.18	0.18	0.05	0.08	0.00	0.34	0.20
6	0.34	0.61	0.03	0.19	0.05	0.29	0.13	0.13	0.00	0.15	0.21	0.52	0.22
7	0.21	0.41	0.34	0.19	0.21	0.61	0.34	0.34	0.15	0.67	0.40	0.85	0.42
8	0.83	0.77	1.01	0.88	1.01	1.39	0.88	1.73	2.06	1.47	0.93	1.96	1.24
9	1.94	1.79	2.63	2.62	2.85	3.48	3.39	4.28	4.66	3.49	1.65	2.55	2.94
10	4.60	3.43	3.77	4.47	5.17	5.91	5.73	6.22	5.86	5.46	2.75	3.54	4.74
11	6.94	4.62	5.34	5.62	5.75	7.02	6.87	7.26	7.10	7.18	4.53	5.46	6.14
12	8.49	5.84	6.97	6.88	7.46	7.66	7.52	8.36	9.64	8.80	6.59	6.76	7.58
1 p. m.	8.86	7.07	8.00	8.78	9.50	8.96	8.61	10.29	13.32	11.54	9.10	7.05	9.26
2	8.81	8.38	7.81	9.43	10.10	10.39	10.84	13.62	14.39	13.12	10.28	7.32	10.37
3	7.51	7.58	6.51	9.07	8.73	10.75	11.41	14.91	15.11	12.05	9.20	6.30	9.93
4	5.39	5.59	4.92	7.45	7.95	10.42	11.17	13.54	13.05	11.32	6.86	4.44	8.51
5	3.23	3.34	2.97	5.63	5.11	6.32	7.94	10.28	8.67	8.04	3.96	2.61	5.63
6	0.70	1.46	1.19	1.81	2.06	2.16	3.36	4.52	3.34	3.31	1.55	1.16	2.22
7	0.34	0.77	0.77	0.64	0.80	0.77	2.07	1.47	1.07	1.03	0.88	0.49	0.93
8	0.44	0.52	0.51	0.53	0.70	0.56	0.83	0.62	0.48	0.44	0.85	0.31	0.57
9	0.23	0.63	0.70	0.11	0.44	0.53	0.41	0.31	0.24	0.47	0.53	0.44	0.42
10	0.31	0.72	0.44	0.11	0.54	0.32	0.41	0.57	0.11	0.26	0.37	0.46	0.39
11	0.59	0.39	0.28	0.13	0.46	0.29	0.46	0.44	0.37	0.15	0.19	0.44	0.35
12	0.26	0.44	0.41	0.08	0.26	0.21	0.26	0.44	0.51	0.05	0.19	0.31	0.29
Monthly and annual Means	2.58	2.37	2.33	2.68	2.91	3.33	3.49	4.20	4.21	3.73	2.56	2.29	3.06

TABLE 6. — Hourly and monthly Means of the four Components
of the Wind in the year 1884.
Velocity in kilometers per hour.

Hours of mean Batavia Time.	January.				February.				March.				
	N	E	S	W	N	E	S	W	N	E	S	W	
1 a. m.	—	—	—	0.03	0.46	—	—	0.48	0.10	—	—	0.18	
2	0.36	—	—	0.29	0.27	—	—	0.48	0.11	—	—	0.09	
3	0.28	—	—	0.33	0.20	0.02	—	0.33	0.21	—	—	0.11	
4	0.33	0.01	—	0.14	0.22	—	—	0.21	0.31	—	—	0.39	
5	0.37	0.01	—	0.34	0.20	—	—	0.24	0.07	0.01	—	0.09	
6	0.15	—	—	0.27	0.46	—	—	0.34	—	—	—	0.03	
7	0.10	—	—	0.16	0.27	0.10	—	0.19	0.14	—	0.03	0.22	
8	0.38	0.04	0.08	0.56	0.39	0.14	0.05	0.44	0.45	0.01	0.09	0.70	
9	0.91	0.09	0.20	1.17	0.90	0.33	0.02	1.02	1.09	0.20	0.27	1.71	
10	2.96	0.25	0.55	2.22	1.71	0.73	0.04	1.98	1.55	0.25	0.31	2.68	
11	4.24	0.66	0.09	4.21	2.37	0.89	0.02	2.51	2.92	0.51	0.24	3.43	
12	5.93	1.09	—	4.22	3.56	0.92	0.06	2.91	4.86	0.49	0.04	3.78	
1 p. m.	7.25	0.58	—	3.54	4.86	1.11	0.28	3.21	5.91	0.26	0.06	3.81	
2	7.44	0.68	—	3.07	6.03	0.64	0.18	3.69	5.63	0.29	—	4.14	
3	6.18	0.51	0.09	2.64	5.97	0.31	0.14	2.66	5.06	0.07	0.06	3.25	
4	4.62	0.53	0.02	1.63	4.05	0.61	0.10	1.95	3.35	0.18	0.32	2.63	
5	2.59	0.27	0.19	1.03	2.29	0.40	0.06	1.17	1.96	0.08	0.13	1.47	
6	0.44	0.05	0.06	0.28	0.78	0.11	0.07	0.78	0.63	0.02	0.24	0.56	
7	0.26	0.05	0.02	0.08	0.31	0.06	0.03	0.56	0.22	0.19	0.15	0.41	
8	0.38	0.03	0.02	0.04	0.24	0.04	0.03	0.35	0.11	0.10	0.07	0.37	
9	0.17	0.04	0.02	0.05	0.28	0.04	0.14	0.37	0.27	0.02	0.04	0.54	
10	0.17	0.01	0.03	0.20	0.59	0.14	—	0.20	0.08	—	0.01	0.40	
11	0.28	0.19	0.05	0.26	0.25	0.04	—	0.18	0.08	0.01	—	0.23	
12	0.13	0.03	0.02	0.15	0.22	—	—	0.28	0.13	—	—	0.33	
Monthly Means.	1.91	0.21	0.06	1.12	1.54	0.28	0.05	1.11	1.47	0.11	0.09	1.31	

TABLE 6. — Continued.

Hours of mean Batavia Time.	April.				May.				June.				
	N	E	S	W	N	E	S	W	N	E	S	W	
1 a. m.	0.03	—	0.01	0.02	0.04	0.17	—	—	0.13	0.26	0.02	—	
2	0.04	—	0.01	0.05	0.08	0.21	0.06	—	0.11	0.27	0.04	—	
3	0.02	0.01	0.02	0.05	0.02	0.15	0.06	—	0.26	0.30	—	—	
4	—	—	—	—	—	0.07	0.03	—	0.23	0.48	—	—	
5	0.02	0.01	0.03	0.10	0.07	0.03	—	—	0.04	0.27	0.05	—	
6	0.13	0.01	0.02	0.08	—	0.05	0.02	—	0.09	0.23	0.05	—	
7	0.12	0.04	0.01	0.05	0.08	0.17	0.03	—	0.25	0.48	0.07	—	
8	0.38	0.41	0.01	0.21	0.64	0.62	0.08	0.03	0.44	1.11	0.22	—	
9	0.71	1.17	0.38	0.89	1.16	2.07	0.35	0.05	1.06	2.70	0.64	—	
10	1.00	2.34	0.49	1.37	1.66	4.16	0.34	0.11	1.03	5.09	1.44	—	
11	1.95	3.28	0.26	1.38	1.53	4.86	0.34	0.13	1.37	6.30	1.00	—	
12	3.37	3.49	0.10	1.48	2.61	5.99	0.39	0.16	1.83	6.80	0.62	—	
1 p. m.	6.19	3.84	0.03	1.61	5.50	6.42	—	0.24	3.58	7.40	0.51	—	
2	6.47	3.22	0.04	1.97	6.75	5.86	—	0.19	6.29	6.64	0.24	—	
3	6.77	2.74	—	1.61	6.62	4.12	—	—	7.87	5.30	—	—	
4	5.02	2.91	0.03	1.56	6.04	4.13	—	—	7.20	6.16	0.11	—	
5	3.20	2.11	0.09	1.07	3.99	2.64	0.04	0.07	4.24	3.89	0.02	—	
6	0.97	0.55	0.08	0.70	1.39	1.13	0.12	0.12	1.29	1.49	—	—	
7	0.33	0.22	0.10	0.19	0.28	0.62	0.08	0.01	0.52	0.51	—	—	
8	0.26	0.12	—	0.28	0.31	0.50	0.12	—	0.41	0.31	—	—	
9	0.05	0.04	0.02	0.03	0.31	0.25	0.01	0.02	0.22	0.26	0.21	—	
10	0.10	—	—	0.02	0.31	0.33	—	0.02	0.24	0.16	—	—	
11	0.13	0.02	—	—	0.34	0.27	0.01	0.02	0.20	0.20	—	—	
12	0.07	0.02	—	—	0.13	0.17	—	—	0.12	0.16	0.01	—	
Monthly Means.	1.56	1.11	0.07	0.61	1.66	1.87	0.09	0.05	1.63	2.37	0.22	—	

TABLE 6. — Continued.

Hours of mean Batavia Time.	July.				August.				September.				
	N	E	S	W	N	E	S	W	N	E	S	W	
1 a. m.	0.10	0.14	—	—	0.27	0.23	—	—	0.05	0.17	0.06	—	
2	0.14	0.15	—	0.02	0.13	9.29	—	—	0.04	0.15	0.06	—	
3	0.22	0.15	0.01	0.02	0.22	0.27	0.05	—	0.08	0.04	0.02	—	
4	0.21	0.08	0.01	0.02	0.12	0.12	0.02	—	0.03	—	—	—	
5	0.14	0.09	—	—	0.15	0.08	—	—	0.05	0.02	—	—	
6	0.10	0.08	—	—	0.10	0.07	—	—	—	—	—	—	
7	0.13	0.23	0.06	0.02	0.21	0.23	—	—	0.22	0.29	0.06	0.02	
8	0.45	0.52	0.05	0.12	0.85	1.39	—	—	0.79	1.36	0.38	0.01	
9	1.06	2.51	0.61	0.13	1.04	3.78	0.21	0.02	1.18	3.96	0.66	—	
10	1.32	4.48	1.33	0.08	1.31	5.44	0.79	0.09	1.27	5.07	0.92	0.06	
11	0.89	6.16	0.75	0.05	1.55	6.29	0.68	—	1.89	6.20	0.17	0.04	
12	1.37	6.58	0.59	0.13	2.98	6.66	0.44	—	5.82	5.57	0.26	0.16	
1 p. m.	3.38	6.75	0.18	0.12	7.25	5.41	0.20	0.06	11.45	5.07	—	0.25	
2	8.21	5.21	0.02	0.05	11.14	6.25	0.11	0.27	13.41	3.95	—	—	
3	8.78	5.56	0.01	0.28	12.05	6.91	—	—	13.25	5.92	—	—	
4	8.57	5.84	0.05	0.24	10.59	7.27	—	—	10.38	6.89	—	—	
5	5.63	4.84	—	0.11	7.32	6.31	—	0.11	6.88	4.55	—	0.10	
6	2.13	2.34	—	—	2.89	3.08	—	0.04	2.34	2.00	0.11	0.01	
7	1.03	1.60	—	—	0.98	0.95	—	0.05	0.55	0.87	0.02	—	
8	0.47	0.29	—	0.29	0.44	0.38	—	0.02	0.15	0.31	0.12	—	
9	0.28	0.06	—	0.17	0.25	0.16	—	—	0.05	0.20	0.07	—	
10	0.11	0.07	0.08	0.29	0.42	0.30	—	—	0.06	0.06	0.02	—	
11	0.13	0.27	0.04	0.12	0.34	0.22	—	—	0.22	0.24	0.04	—	
12	0.13	0.15	0.01	0.05	0.36	0.22	—	0.02	0.12	0.32	0.24	—	
Monthly Means.	1.87	2.26	0.16	0.10	2.62	2.60	0.10	0.03	2.93	2.22	0.13	0.03	

TABLE 6. — Continued.

Hours of mean Batavia Time.	October.				November.				December.				
	N	E	S	W	N	E	S	W	N	E	S	W	
1 a. m.	0.02	0.02	0.02	0.01	0.05	—	—	0.06	0.13	—	0.07	0.42	
2	0.08	0.08	0.06	0.02	0.09	0.09	—	0.12	0.14	—	0.02	0.40	
3	0.07	0.05	0.02	—	0.04	—	—	0.08	0.21	—	0.03	0.23	
4	0.06	0.06	0.05	0.01	0.02	0.02	0.02	0.02	0.07	—	0.03	0.24	
5	0.02	0.05	0.03	—	—	—	—	—	0.10	—	0.03	0.28	
6	0.07	0.10	0.03	—	0.13	0.09	0.02	0.04	0.14	0.02	0.02	0.46	
7	0.26	0.46	0.13	—	0.24	0.17	0.05	0.07	0.25	—	0.02	0.73	
8	0.43	0.96	0.34	0.04	0.46	0.34	0.15	0.26	0.76	0.08	0.09	1.49	
9	0.41	2.89	0.78	0.02	0.82	0.45	0.21	0.54	0.88	0.25	0.14	1.84	
10	0.59	4.54	1.44	0.05	1.22	1.12	0.17	0.70	1.43	0.30	0.42	2.30	
11	1.44	5.96	1.06	0.05	2.05	2.11	0.41	0.79	2.68	0.34	0.20	3.46	
12	4.85	5.15	0.69	0.10	5.26	1.35	0.05	1.28	4.00	0.22	0.49	3.85	
1 p. m.	9.44	3.48	0.13	0.12	3.20	1.60	0.11	0.91	4.24	0.59	0.17	3.91	
2	11.38	4.24	0.24	0.11	9.53	1.35	—	0.83	4.92	0.32	0.13	3.62	
3	9.56	4.67	0.09	0.43	7.91	1.26	0.24	1.24	4.40	0.54	0.17	2.86	
4	8.16	5.90	—	0.17	5.05	1.17	0.55	1.34	2.93	0.36	0.13	2.10	
5	5.22	4.20	0.48	0.36	2.86	1.28	0.27	0.72	1.56	0.14	0.18	1.35	
6	1.70	1.58	0.67	0.41	0.92	0.49	0.32	0.23	0.49	0.04	0.09	0.79	
7	0.40	0.33	0.40	0.21	0.24	0.08	0.46	0.37	0.14	—	0.06	0.40	
8	0.15	0.09	0.25	0.05	0.34	0.06	0.35	0.30	0.08	—	0.03	0.21	
9	0.06	0.33	0.20	0.01	0.38	0.06	0.07	0.11	0.14	—	0.03	0.33	
10	0.07	0.09	0.13	0.01	0.25	—	0.05	0.12	0.08	—	0.11	0.38	
11	0.02	0.14	0.03	—	0.10	0.02	—	0.12	0.05	—	0.09	0.39	
12	—	0.04	0.02	—	0.10	—	—	0.12	0.04	—	0.06	0.28	
Monthly Means.	2.27	1.89	0.30	0.09	1.93	0.56	0.15	0.43	1.24	0.13	0.12	1.35	

T A B L E 7. — Daily Means of the North and East Components of the Wind in 1884.

Velocity in kilometers per hour.

	January.		February.		March.		April.		May.		June.		July.		August.		September.		October.		November.		December.	
	N	E	N	E	N	E	N	E	N	E	N	E	N	E	N	E	N	E	N	E	N	E	N	E
1	1.95	1.57	3.07	1.06	2.41	-2.10	0.41	-1.86	2.33	1.31	1.10	6.98	2.10	1.58	2.26	2.18	3.25	1.58	2.72	0.78	1.74	0.63	0.34	-0.44
2	1.95	1.14	1.26	1.66	1.76	-2.44	0.25	-1.37	0.43	2.63	1.63	1.01	1.41	0.85	2.82	1.17	2.49	2.86	3.35	0.09	1.77	-0.01	0.95	-0.41
3	2.31	0.15	1.35	0.98	2.42	-1.68	1.54	1.31	3.20	3.04	1.64	1.46	0.95	3.03	2.09	0.08	2.53	2.87	3.09	4.45	1.08	0.97	0.22	-3.24
4	1.35	0.81	1.19	-0.14	1.95	-2.03	1.92	0.70	2.82	3.21	1.39	1.28	0.73	-0.65	2.41	0.36	2.63	3.04	1.08	1.75	2.70	1.23	-0.68	-4.64
5	2.15	0.82	-0.45	-1.01	1.64	-1.84	2.71	-0.32	1.13	3.83	2.28	0.97	0.23	-0.51	2.34	1.81	2.28	1.01	2.98	2.55	2.33	1.10	-0.17	-3.24
6	2.77	-0.87	1.12	0.65	2.17	-1.78	1.01	0.50	1.70	2.24	0.36	3.97	1.33	1.41	2.30	3.42	2.51	2.36	2.31	2.03	3.77	2.75	-0.42	-4.58
7	1.71	-0.31	1.06	2.35	1.07	-1.61	0.63	-1.76	0.10	3.05	0.44	5.79	2.01	1.50	3.30	3.75	2.60	2.44	1.30	0.37	3.66	3.36	0.15	-3.16
8	1.46	-1.25	2.28	0.09	0.39	-1.28	1.32	-0.41	1.04	3.68	1.54	5.19	1.58	1.97	3.00	3.75	2.27	2.16	-0.41	1.98	3.91	1.68	-0.37	-2.72
9	1.57	-1.80	1.54	-2.54	2.36	-1.39	0.73	-1.69	1.03	2.48	0.95	3.58	2.08	0.46	1.97	4.87	2.88	1.12	1.91	1.48	1.89	0.90	1.03	-0.56
10	0.51	-1.66	0.41	-1.02	2.98	-1.28	-0.32	-1.10	0.49	0.51	-0.22	0.97	2.30	1.81	3.53	3.01	2.99	2.23	2.71	1.22	2.23	0.45	1.75	-1.25
11	1.40	-1.81	0.95	-2.83	1.75	-1.94	1.03	-0.85	1.74	1.75	0.44	1.98	1.72	1.69	3.48	2.77	3.64	2.63	3.01	1.82	2.78	-0.03	1.57	0.72
12	0.35	-0.93	0.30	-4.40	0.80	-0.26	2.86	0.26	1.32	1.02	1.33	0.33	1.56	1.84	0.71	0.93	2.90	3.10	0.83	0.62	2.93	0.81	0.92	-1.64
13	2.75	-2.04	1.15	-3.25	1.31	-0.12	3.00	0.22	1.90	1.62	2.44	0.97	1.75	0.24	1.89	2.30	2.17	2.83	1.22	1.77	2.42	0.34	1.34	-1.19
14	3.10	-1.70	0.83	-1.52	0.47	0.00	1.46	-2.37	2.04	2.36	2.11	1.47	2.47	1.74	2.45	4.49	3.12	1.45	2.15	4.53	2.80	-0.42	1.78	-1.48
15	2.85	-2.39	3.75	-0.30	2.13	2.10	1.16	-2.14	1.25	1.71	0.19	2.08	1.59	3.11	0.80	5.95	3.18	1.38	1.57	2.73	0.90	0.31	1.26	-0.70
16	2.57	-2.05	2.60	-0.63	1.78	0.60	0.98	0.06	2.46	0.95	0.25	3.90	0.65	5.52	1.24	5.06	2.35	0.76	1.70	0.38	0.55	-1.06	0.83	-1.02
17	2.51	-1.76	1.20	-0.81	2.14	-1.59	1.66	0.69	2.42	1.85	0.90	2.18	0.45	6.82	2.16	3.12	2.65	1.02	2.31	2.23	1.43	-1.61	0.63	-1.39
18	1.77	-1.86	1.37	-0.65	1.41	-2.28	1.63	-1.01	2.33	2.76	1.09	3.85	0.98	5.26	2.73	3.28	2.78	0.57	1.47	2.31	0.54	-0.91	1.00	-1.53
19	2.30	-1.05	1.46	-1.06	1.98	-0.17	1.49	-1.25	1.94	3.70	1.87	0.96	1.74	3.79	3.55	1.95	2.74	2.61	3.31	2.02	2.09	0.02	1.11	-0.85
20	1.53	-1.19	1.25	-0.76	0.76	-0.62	0.99	-0.85	2.21	0.78	2.46	4.15	1.24	2.09	2.23	0.38	1.86	6.59	3.00	1.61	1.37	-1.36	1.66	-1.09
21	2.01	-1.76	0.08	-0.13	1.04	-2.78	1.57	0.35	1.68	-0.31	0.78	1.72	1.18	0.17	3.24	2.01	4.01	6.57	1.28	0.13	2.82	-0.10	0.65	-0.74
22	2.46	-0.22	2.55	-0.94	1.37	-2.66	1.65	2.71	1.94	0.03	1.15	2.73	2.36	0.80	2.32	2.41	3.83	2.17	1.68	0.35	0.99	0.07	1.82	-0.97
23	1.57	0.00	3.09	-1.47	0.52	-0.67	1.04	4.89	0.64	-0.65	1.74	1.05	2.24	2.29	2.33	3.22	3.12	2.81	1.96	0.43	1.16	-0.71	2.61	-1.08
24	0.98	-2.37	3.24	-0.87	0.76	-1.37	1.99	5.24	1.31	0.19	1.87	0.57	2.93	2.01	2.26	2.18	2.43	2.67	2.94	0.58	0.66	-0.51	1.72	-1.58
25	2.07	-1.64	0.75	-0.71	1.84	-0.73	1.75	2.36	1.39	0.83	0.99	1.32	1.44	5.37	3.36	3.02	3.03	1.36	1.91	1.65	0.65	-0.41	1.99	0.09
26	2.17	-1.19	1.41	-0.93	0.36	-1.66	2.60	2.45	1.85	1.98	3.00	2.27	2.50	3.16	2.80	1.53	2.00	0.64	-0.25	-0.98	0.77	-0.75	1.62	1.23
27	1.42	-1.54	0.90	-1.08	0.68	-0.34	2.32	3.05	1.39	1.78	2.69	2.66	2.80	2.86	2.88	4.27	3.01	2.02	1.86	1.92	0.80	-1.12	1.90	0.55
28	1.05	-1.71	0.76	-1.97	0.49	0.33	0.61	2.88	0.31	1.73	2.39	1.51	2.24	-0.07	2.60	4.89	2.63	0.92	3.05	2.63	1.22	-0.68	2.62	1.17
29	0.74	-1.16	2.64	-1.82	1.28	-1.05	1.69	2.08	2.88	1.37	1.43	2.72	1.86	2.89	2.53	0.50	2.66	0.19	1.11	2.89	0.65	-0.47	0.96	0.20
30	1.26	0.22			-0.10	-1.00	2.74	2.00	1.74	0.94	1.98	1.35	2.53	2.04	2.95	0.24	3.30	1.75	0.02	6.08	0.81	-0.72	2.66	-0.67
31	2.47	0.60			0.92	-2.92			-0.18	4.21			2.30	1.93	3.54	0.74			3.76	3.41			1.55	-1.44
Monthly Means.	1.34	-0.93	1.49	-0.83	1.38	-1.20	1.48	0.49	1.58	1.83	1.41	2.37	1.72	2.16	2.52	2.57	2.79	2.19	1.97	1.80	1.78	0.13	1.13	-1.21

T A B L E 8. — Hourly, monthly and annual mean amount of Cloud in 1884.
A sky free from cloud is represented by 0, entirely overcast sky by 10.

Hours of mean Batavia Time.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December	Annual Means.
1 a. m.	7.1	7.5	6.5	5.8	5.7	5.0	4.3	5.1	4.4	5.5	5.9	6.9	5.81
2	6.8	6.9	5.7	5.0	5.3	4.8	3.9	4.4	3.8	5.6	5.5	6.7	5.37
3	6.9	7.1	5.4	5.3	4.9	4.0	4.1	3.3	4.0	5.2	5.5	6.4	5.18
4	7.2	7.7	4.9	5.3	4.9	4.1	3.5	3.2	4.1	5.0	4.9	6.6	5.12
5	7.3	7.6	4.9	4.5	5.2	4.3	3.4	3.4	4.1	5.0	5.4	7.1	5.19
6	7.1	8.1	6.1	5.5	5.3	4.6	3.9	3.8	4.4	4.9	5.3	6.9	5.49
7	7.5	7.8	6.0	5.1	4.5	3.5	3.0	3.2	3.5	4.9	5.1	6.9	5.08
8	7.2	7.0	5.6	4.3	3.9	2.7	3.1	2.8	2.8	4.0	4.2	6.9	4.54
9	7.1	6.8	5.6	3.5	3.8	2.6	2.7	2.6	3.3	4.3	4.8	7.5	4.55
10	7.5	6.9	5.6	3.6	4.6	3.4	3.3	3.8	4.5	5.0	6.0	7.8	5.17
11	7.6	7.7	6.6	5.0	6.0	4.3	4.0	4.9	4.7	6.3	6.5	7.4	5.92
12	7.4	7.3	6.7	5.8	5.6	4.4	4.3	5.4	4.7	6.5	6.4	7.6	6.01
1 p. m.	7.5	7.4	6.9	5.9	6.3	5.1	4.7	4.8	3.9	6.0	7.1	7.7	6.11
2	7.4	7.2	7.3	5.7	6.5	5.0	4.4	4.3	3.0	5.6	6.9	7.5	5.90
3	6.9	7.3	7.8	6.4	6.7	4.1	3.7	3.4	3.0	5.6	7.6	7.3	5.82
4	6.8	7.1	7.9	6.9	6.2	4.2	3.4	3.3	3.1	5.9	7.0	7.4	5.77
5	7.8	7.0	8.5	7.0	6.3	3.9	3.5	3.1	3.9	7.0	8.0	7.5	6.13
6	8.1	7.3	8.5	6.9	7.2	4.3	3.7	3.8	4.6	7.1	7.8	8.2	6.46
7	7.8	7.4	7.9	6.9	6.2	4.0	4.2	4.8	5.0	7.3	7.7	8.5	6.48
8	7.6	8.2	7.5	7.0	5.8	4.9	4.6	5.3	6.0	6.8	7.7	8.4	6.65
9	7.2	8.4	7.7	6.3	5.9	5.1	4.9	4.5	6.3	6.7	7.1	8.1	6.52
10	7.3	7.9	7.5	5.8	6.0	4.5	5.3	4.6	6.2	6.6	7.1	7.9	6.39
11	7.3	7.7	7.5	5.7	6.1	4.7	4.9	5.5	5.5	6.0	6.4	7.5	6.23
12	7.3	7.7	7.0	5.7	5.9	4.5	4.3	5.5	5.0	5.5	5.9	7.6	5.99
Monthly Means.	7.32	7.46	6.73	5.62	5.62	4.25	3.96	4.12	4.33	5.76	6.33	7.43	5.75

T A B L E 9. — Absolute maxima and minima in 1884.

	Barometric pressure in millimetres.		Temperature of the air. Centesimal degrees.		Relative humidity of the air. Saturation = 1000.		Tension of the atmospheric vapour in millimetres.		Velocity of the wind. k. p. h.
	Maximum.	Minimum.	Maximum.	Minimum.	Maximum.	Minimum.	Maximum.	Minimum.	Maximum.
January.	761.93	756.22	30.6	21.7	974	606	23.22	18.77	16.1
February.	762.45	756.24	30.9	21.8	991	625	23.16	18.47	14.5
March.	762.66	754.66	31.3	21.7	983	555	24.04	18.15	18.5
April.	761.30	755.72	31.8	21.8	973	535	23.47	18.36	19.3
May	761.34	753.39	31.1	21.9	983	612	24.81	18.23	16.9
June	761.50	755.49	31.4	21.6	965	466	23.04	15.29	20.1
July	762.01	756.32	31.2	19.4	982	452	22.42	13.99	20.9
August	762.78	755.39	31.8	21.4	947	464	22.67	15.58	21.7
September.	762.54	756.81	33.1	20.5	973	360	22.95	13.27	20.9
October	762.02	755.51	32.8	22.2	956	372	22.81	13.56	24.9
November.	761.08	755.08	32.3	22.4	974	488	23.36	17.24	19.3
December.	761.97	755.27	30.8	21.8	982	589	23.51	16.60	14.5
Year.	762.78	753.39	33.1	19.4	991	360	24.81	13.27	24.9

T A B L E 10. — Maxima and minima of daily means in 1884.

	Barometric pressure in millimetres.		Temperature of the air. Centesimal degrees.		Relative humidity of the air. Saturation = 1000.		Tension of atmospheric vapour in millimetres.		Velocity of the wind in k. p. h.	
	Maximum.	Minimum.	Maximum.	Minimum.	Maximum.	Minimum.	Maximum.	Minimum.	Maximum.	Minimum.
January . .	760.39	758.03	26.03	23.66	933	796	21.45	19.14	3.99	1.13
February . .	760.75	758.39	26.40	23.48	938	819	21.92	19.85	4.52	0.17
March . . .	760.85	756.92	26.61	24.19	923	805	21.70	19.83	3.95	0.47
April . . .	759.77	757.42	27.21	24.58	895	767	21.66	19.61	5.73	1.03
May . . .	760.32	755.51	27.31	25.10	896	805	22.33	20.21	4.63	0.73
June . . .	760.36	757.46	27.03	25.29	883	744	21.91	18.45	7.30	1.27
July . . .	760.72	757.79	26.48	23.69	891	722	20.76	16.89	7.21	1.23
August . .	761.35	757.35	26.54	25.44	836	726	20.81	17.59	6.50	2.11
September .	760.88	758.83	27.50	25.16	824	677	21.62	16.98	7.94	2.21
October . .	760.78	757.51	27.56	25.17	865	697	21.00	17.94	6.34	1.30
November .	759.74	757.01	27.48	24.57	903	720	21.28	19.21	5.46	1.13
December .	760.93	757.94	26.84	23.75	932	741	21.31	18.99	4.86	0.57
Year.	761.35	755.51	27.56	23.48	938	677	22.33	16.89	7.94	0.17

T A B L E 11. — Maxima and minima of daily oscillation or range in 1884.

	Barometric pressure in millimetres.		Temperature of the air. Centesimal degrees.		Relative humidity of the air. Saturation = 1000.		Tension of the atmospheric vapour in millimetres.	
	Maximum.	Minimum.	Maximum.	Minimum.	Maximum.	Minimum.	Maximum.	Minimum.
January	3.88	2.20	7.8	2.4	339	82	3.98	1.18
February	4.42	2.36	8.9	1.9	348	119	4.01	1.41
March	4.17	2.12	8.6	2.4	400	137	4.81	1.17
April	4.31	1.93	9.1	3.3	380	168	4.20	1.35
May	3.85	2.25	8.1	4.8	350	210	5.15	1.81
June	3.62	2.33	9.4	3.6	439	204	5.38	1.76
July	3.78	2.28	9.2	5.4	466	184	5.62	1.61
August	4.03	2.64	9.8	5.5	464	225	4.24	1.78
September	4.62	2.63	9.8	6.4	597	256	7.67	2.30
October	4.25	2.70	10.4	4.3	567	207	7.81	1.25
November	4.36	2.40	9.3	4.4	450	197	4.29	1.46
December	4.13	2.38	7.9	2.8	329	91	6.10	1.30
Year.	4.62	1.93	10.4	1.9	597	82	7.81	1.17

TABLE 12. — Mean daily oscillation or range in 1884.

	Barometric pressure in millimetres.	Temperature of the air. Centesimal degrees.	Relative humidity of the air. Saturation = 1000.	Tension of the atmo- spheric vapour in millimetres.
January	3.12	5.7	247	2.61
February	3.23	5.6	253	2.61
March	3.23	6.1	263	2.90
April	3.21	6.7	296	2.77
May	3.04	6.4	276	2.97
June	2.83	7.3	333	3.26
July	2.97	7.6	353	3.57
August	3.32	7.6	340	3.09
September	3.52	8.1	371	3.87
October	3.36	7.8	359	3.77
November	3.21	7.2	322	2.94
December	3.05	5.4	239	2.65
Year	3.17	6.8	304	3.08

METEOROLOGICAL OBSERVATIONS.

1885.

BAROMETRIC PRESSURE.

BAROMETER AT 0°C = 750 MILLIMETRES + THE NUMBERS IN THE TABLE.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
JANUARY.	1	9.50	8.97	8.68	8.48	9.00	9.55	10.28	10.93	11.09	11.15	10.79	10.19	—
	2	10.06	9.76	9.30	9.49	9.89	10.30	10.46	10.95	11.48	11.58	11.48	11.03	—
	3	11.23	10.84	10.65	10.55	10.56	10.87	11.47	11.53	11.76	11.43	11.12	10.87	—
	4	11.73	11.54	11.50	11.01	10.89	10.73	11.34	11.48	11.63	11.64	11.32	10.70	—
	5	10.88	10.30	9.73	9.95	10.56	10.67	10.99	11.02	11.53	11.55	11.14	10.55	—
	6	10.60	10.31	9.61	9.98	10.13	10.56	11.28	11.63	11.88	11.80	11.68	11.14	—
	7	10.93	10.19	9.81	9.87	9.92	10.24	10.50	10.91	11.04	10.95	10.53	10.20	—
	8	9.98	9.50	9.25	9.28	9.40	9.84	10.26	10.74	10.75	10.68	9.84	9.28	—
	9	9.76	9.46	9.06	8.57	9.00	9.53	10.25	11.01	11.38	11.18	10.80	10.25	—
	10	9.61	9.01	8.47	8.37	8.47	8.92	9.46	9.91	10.08	10.04	9.75	9.19	—
	11	9.17	8.42	8.27	8.07	8.22	8.57	9.40	9.76	9.88	9.81	9.45	9.02	—
	12	9.16	8.77	8.37	8.12	8.48	9.08	9.06	9.56	9.81	9.89	9.45	9.06	—
	13	9.36	8.95	8.46	8.33	8.70	8.70	9.36	9.98	10.60	10.40	9.93	9.63	—
	14	8.75	8.17	8.07	7.85	8.16	8.92	9.40	9.94	10.20	10.15	9.82	9.49	—
	15	8.97	8.70	8.22	8.00	8.36	9.08	9.58	9.91	10.09	10.23	9.89	9.25	—
	16	9.27	8.78	8.62	8.51	8.78	9.31	10.04	10.19	10.46	10.25	10.08	9.83	—
	17	10.05	9.55	9.13	8.60	8.83	9.43	9.44	9.76	9.70	9.82	9.63	9.21	—
	18	9.56	9.36	9.23	9.33	9.41	9.96	10.45	10.63	10.61	10.65	10.50	9.97	—
	19	9.88	9.60	9.50	9.61	9.91	10.49	10.91	11.31	11.90	12.05	11.61	10.91	—
	20	11.10	11.03	10.95	10.86	11.28	11.89	12.67	13.39	13.52	13.36	12.89	12.39	—
	21	11.40	11.11	10.69	10.60	10.90	11.70	12.71	13.14	13.18	12.98	12.76	12.49	—
	22	12.61	12.38	12.41	12.57	12.77	13.29	13.74	14.11	14.41	14.21	13.74	13.30	—
	23	12.21	11.83	11.54	11.65	11.86	12.16	12.56	13.25	13.39	13.43	13.30	12.86	—
	24	11.73	10.94	10.76	10.78	11.18	11.54	12.35	12.78	12.91	12.81	12.40	11.78	—
	25	11.21	10.89	10.80	10.96	11.08	11.59	12.14	12.66	12.60	12.47	12.03	11.33	—
	26	10.80	10.50	10.51	10.43	10.50	10.81	11.74	12.15	12.30	12.12	11.79	11.23	—
	27	10.72	10.63	10.24	10.20	10.25	10.65	11.04	11.41	11.47	11.25	11.14	10.52	—
	28	10.03	9.89	9.50	9.38	9.58	9.74	10.15	10.63	10.80	11.10	10.83	10.27	—
	29	10.10	9.89	9.51	9.41	9.58	10.00	10.41	10.81	11.09	10.82	10.75	10.18	—
	30	10.46	9.76	8.79	8.59	8.97	9.53	10.34	10.96	11.05	11.08	10.80	10.24	—
	31	9.93	9.74	9.22	9.33	9.51	10.01	10.88	11.59	11.58	11.38	10.93	10.83	—
Hourly Means.		10.35	9.96	9.64	9.57	9.81	10.25	10.80	11.23	11.42	11.36	11.04	10.55	—
Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
JANUARY.	1	9.67	8.97	8.45	8.30	8.45	9.02	9.39	9.93	10.55	10.83	10.69	10.45	9.72
	2	10.88	10.35	9.83	9.70	9.93	10.68	11.30	11.86	12.23	12.38	12.18	11.98	10.80
	3	9.94	9.12	8.59	8.69	9.19	9.95	10.75	11.38	11.80	12.18	11.95	11.81	10.76
	4	10.30	9.87	9.07	8.88	9.13	9.60	9.79	10.70	11.57	11.89	11.70	11.01	10.79
	5	10.08	9.11	8.94	9.16	9.67	10.47	10.74	11.19	11.51	11.31	11.11	11.13	10.55
	6	10.47	9.88	9.58	9.40	10.04	10.83	11.04	11.29	11.61	11.94	12.10	11.61	10.85
	7	9.46	8.73	8.23	8.08	8.40	8.85	9.73	10.75	11.23	11.39	11.10	10.43	10.06
	8	8.32	7.31	6.66	6.14	6.88	7.37	7.99	8.63	9.27	9.63	9.85	9.85	9.03
	9	9.43	8.64	8.20	7.98	8.13	8.93	8.70	9.30	9.75	10.24	9.90	9.51	9.54
	10	8.55	7.68	7.30	7.23	7.75	8.59	8.91	9.70	10.00	10.01	10.34	9.86	9.05
	11	8.80	7.96	7.49	7.18	7.13	7.61	8.63	9.00	9.62	9.85	10.09	9.80	8.80
	12	8.62	8.08	7.54	7.30	7.38	8.09	8.80	9.23	9.98	10.35	10.58	10.00	8.95
	13	8.90	8.41	7.71	7.18	7.38	7.96	8.68	9.05	9.45	9.83	10.08	9.55	9.02
	14	8.87	8.24	7.62	7.53	7.73	8.24	8.26	8.95	9.47	9.59	9.67	9.30	8.85
	15	8.99	8.44	7.94	7.78	8.00	8.29	8.70	9.16	9.80	10.05	10.16	9.99	9.07
	16	9.21	8.89	8.36	7.96	7.97	8.23	8.85	9.44	9.93	10.53	10.73	10.35	9.36
	17	9.14	8.65	7.97	8.20	8.50	8.71	9.33	9.79	10.10	10.12	10.39	10.05	9.34
	18	9.13	8.51	7.65	7.86	7.73	8.25	9.30	10.02	10.57	10.73	10.44	10.15	9.58
	19	10.37	10.04	9.50	9.28	9.98	10.35	10.32	10.75	11.28	11.59	11.40	10.93	10.56
	20	11.71	11.05	10.65	10.38	10.60	10.85	11.47	12.03	12.10	12.36	12.38	11.89	11.78
	21	11.98	11.46	10.94	10.87	10.95	11.47	12.19	12.70	12.91	13.19	13.23	12.98	12.02
	22	12.58	11.80	11.18	10.93	11.03	11.35	11.77	12.29	12.92	13.24	13.20	12.86	12.70
	23	12.05	11.23	10.34	9.98	10.34	10.95	11.72	12.23	12.79	12.90	12.70	12.08	12.06
	24	11.07	10.52	10.07	9.67	9.93	10.47	10.67	11.12	11.39	11.72	11.78	11.59	11.33
	25	10.84	10.11	9.49	9.57	10.29	10.83	11.10	11.49	12.19	12.39	12.10	11.85	11.33
	26	10.46	9.64	8.88	8.87	9.12	9.68	9.89	10.99	11.03	11.25	11.52	11.03	10.72
	27	10.04	9.03	8.52	8.44	8.72	9.62	10.12	10.34	11.03	11.23	11.22	10.65	10.35
	28	9.32	8.68	8.10	8.15	8.30	9.00	9.95	10.43	10.77	11.30	11.14	10.48	9.90
	29	9.57	9.15	8.70	9.13	9.77	9.95	9.75	10.33	11.04	11.15	11.05	10.80	10.12
	30	9.62	9.06	8.32	8.35	8.52	9.39	9.48	10.49	11.09	11.24	11.16	10.85	9.92
	31	10.28	9.68	9.23	9.21	9.19	9.61	10.01	10.28	10.80	10.81	10.68	10.45	10.22
Hourly Means.		9.96	9.30	8.71	8.63	8.91	9.46	9.91	10.48	10.96	11.20	11.18	10.82	10.23

STANDARD THERMOMETER.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
J A N U A R Y.	1	74.6	74.5	74.2	74.0	73.5	73.4	73.5	74.3	75.6	76.7	78.6	78.8	—
	2	74.6	74.2	73.6	73.6	73.6	73.4	73.6	74.6	74.7	74.0	74.2	74.2	—
	3	73.8	73.6	73.6	73.6	73.2	73.0	74.0	76.4	78.6	80.6	82.6	83.2	—
	4	75.4	75.2	74.5	74.0	73.5	73.1	73.8	75.3	78.5	80.3	80.7	82.3	—
	5	73.0	72.6	72.4	71.8	72.3	71.9	72.4	73.8	76.5	80.0	81.5	82.0	—
	6	73.3	73.1	72.9	73.1	73.4	73.6	73.6	74.8	76.4	77.7	79.4	79.9	—
	7	73.5	73.4	73.0	72.6	72.3	72.1	72.9	75.6	78.6	80.6	81.9	83.6	—
	8	74.9	74.5	74.1	74.1	73.9	73.7	74.2	76.6	79.0	80.6	82.6	83.2	—
	9	72.7	72.4	72.2	72.2	72.0	72.0	72.3	73.0	74.7	76.1	78.1	77.9	—
	10	74.0	73.3	73.3	73.4	73.4	73.8	74.0	74.5	75.8	77.2	79.0	80.7	—
	11	74.0	73.7	73.5	73.2	73.4	73.1	73.6	74.6	76.4	79.3	80.5	80.4	—
	12	75.3	75.5	75.0	74.6	74.6	74.5	75.2	75.5	78.6	79.7	80.7	82.2	—
	13	74.2	73.9	73.5	73.3	73.3	73.5	73.6	74.6	75.6	77.6	79.0	80.5	—
	14	76.6	77.6	75.9	75.1	74.8	74.5	74.7	76.9	78.7	79.8	80.9	81.9	—
	15	74.8	74.4	73.9	73.5	73.1	72.7	73.1	75.7	78.4	79.1	80.0	82.3	—
	16	73.2	72.5	71.3	71.0	70.5	70.1	71.1	74.2	78.4	81.0	82.4	83.6	—
	17	74.7	74.6	74.2	74.0	73.0	72.3	72.6	75.8	80.6	83.0	84.3	85.2	—
	18	74.2	73.9	74.1	75.1	74.5	74.3	74.5	75.1	75.6	77.6	78.7	80.1	—
	19	75.5	76.0	75.7	74.4	73.2	74.2	74.0	74.7	73.9	74.9	75.8	77.7	—
	20	73.4	73.3	73.0	73.0	72.6	72.2	72.7	73.2	73.5	73.3	74.5	77.1	—
	21	74.1	73.4	73.4	73.8	73.7	73.7	73.4	73.6	73.6	73.7	74.8	75.5	—
	22	73.0	72.5	72.5	72.4	72.5	72.7	72.4	72.7	73.6	75.1	77.9	79.8	—
	23	75.9	75.6	75.4	75.4	75.4	75.2	75.5	77.5	79.6	75.4	74.5	74.8	—
	24	75.2	74.7	74.3	73.9	73.4	73.1	73.9	76.1	79.1	75.8	79.5	81.0	—
	25	75.4	75.0	74.8	74.2	74.2	74.2	74.6	77.3	80.9	82.2	83.8	84.0	—
	26	74.7	74.3	74.0	73.5	73.2	72.8	73.7	77.0	79.7	81.2	83.0	84.1	—
	27	77.6	76.6	75.7	75.2	74.0	73.5	74.2	76.2	80.4	81.2	79.2	82.0	—
	28	75.0	74.7	75.0	74.3	74.0	73.6	74.1	76.8	79.0	73.6	77.0	79.5	—
	29	74.2	73.9	73.0	72.6	72.6	72.4	73.2	76.5	78.5	79.5	79.5	80.0	—
	30	73.2	72.8	72.3	71.5	71.7	71.8	72.2	74.7	76.8	78.4	80.2	82.1	—
	31	75.2	74.6	74.2	74.3	74.1	73.9	74.0	74.2	74.1	74.0	74.5	74.8	—
Hourly Means.		74.49	74.20	73.82	73.57	73.32	73.17	73.57	75.22	77.20	78.04	79.33	80.46	—
Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
J A N U A R Y.	1	79.0	79.0	79.4	79.2	79.0	78.7	77.4	76.4	76.0	75.7	75.3	75.0	76.33
	2	75.2	76.5	77.2	77.2	75.4	74.8	74.2	74.4	74.4	74.4	74.2	74.2	74.60
	3	83.7	83.3	82.7	82.2	78.9	78.2	78.0	77.2	76.6	76.2	75.9	76.0	77.71
	4	82.3	82.2	82.0	81.5	80.4	79.8	79.2	79.0	76.2	74.6	74.2	73.3	77.55
	5	82.7	82.2	82.4	81.9	76.5	75.4	74.5	74.2	74.2	74.1	73.7	73.7	76.07
	6	80.7	80.2	80.1	80.5	78.5	76.0	74.8	74.4	74.4	74.4	74.2	73.7	75.96
	7	84.2	82.8	82.0	81.8	81.4	80.0	79.0	78.6	78.4	78.0	77.1	75.4	77.87
	8	84.7	84.3	83.0	82.0	81.9	80.7	80.3	79.8	79.3	78.8	77.0	73.7	78.62
	9	79.4	81.0	81.4	81.3	80.4	77.0	75.8	75.3	75.1	74.9	74.5	74.3	75.67
	10	80.5	81.0	80.7	81.0	80.0	76.5	75.0	74.6	74.5	74.1	73.5	73.7	76.14
	11	81.1	81.8	82.0	81.8	81.3	80.5	79.1	78.3	77.6	77.0	76.3	75.8	77.43
	12	82.7	83.4	82.9	81.8	81.0	80.1	79.1	78.0	77.6	76.8	76.1	74.7	78.15
	13	81.4	81.2	80.7	80.5	80.5	79.9	78.8	78.3	77.8	77.4	77.0	75.1	77.13
	14	82.2	82.1	81.3	80.5	80.4	80.0	79.0	77.8	77.3	76.8	76.3	75.6	78.20
	15	82.1	82.1	81.4	80.7	80.5	79.7	77.6	76.6	76.1	75.2	74.5	73.6	77.13
	16	84.8	84.6	83.8	83.1	82.4	81.2	79.2	77.8	77.1	76.3	75.8	75.3	77.53
	17	80.6	81.4	81.4	76.2	76.7	76.6	76.4	76.2	75.8	75.4	75.1	74.7	77.12
	18	79.8	80.2	80.0	79.7	79.2	78.8	78.3	78.0	77.4	77.0	76.7	76.0	77.03
	19	79.3	79.9	80.1	80.0	79.6	78.9	77.6	76.7	76.5	76.3	75.2	75.1	76.47
	20	78.4	79.2	78.2	77.5	79.0	78.4	77.5	77.0	76.6	76.5	75.7	74.5	75.43
	21	75.7	76.3	77.2	79.0	78.5	78.0	76.9	76.7	76.3	75.5	75.0	75.0	75.28
	22	81.4	81.6	81.8	81.1	80.4	79.4	78.4	77.8	77.2	76.7	76.5	76.4	76.49
	23	76.2	77.2	77.4	78.4	78.7	78.0	77.2	77.0	76.4	76.1	76.0	75.7	76.44
	24	81.0	81.5	80.5	80.5	80.5	80.0	78.8	77.5	77.1	76.6	76.2	75.8	77.33
	25	84.0	83.6	83.0	83.0	82.2	81.9	78.5	77.1	76.1	75.5	75.1	75.0	78.57
	26	85.0	84.8	84.0	83.6	82.8	81.4	80.2	79.0	79.2	78.4	78.6	78.2	79.02
	27	81.1	81.5	82.0	81.8	81.1	80.4	79.6	78.9	77.9	76.5	76.1	75.4	78.25
	28	81.3	81.8	81.6	82.6	82.0	81.1	79.6	78.7	77.8	76.4	75.4	75.2	77.50
	29	80.0	80.6	79.9	77.0	73.6	73.5	73.3	73.0	73.5	73.4	73.6	73.4	75.43
	30	82.7	82.3	83.1	81.7	81.0	80.0	78.9	77.5	76.6	76.0	75.5	75.4	77.02
	31	75.3	75.2	76.0	76.8	77.3	76.8	75.9	75.2	74.9	74.5	73.8	73.4	74.88
Hourly Means.		80.92	81.12	80.94	80.51	79.71	78.76	77.68	77.00	76.50	75.99	75.48	74.92	76.91

RELATIVE HUMIDITY OF THE AIR.

SATURATION = 1000.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
J A N U A R Y .	1	965	956	956	956	947	947	956	965	931	891	831	816	—
	2	965	965	973	956	956	973	965	965	956	965	973	973	—
	3	973	973	973	973	973	973	965	899	823	724	682	677	—
	4	914	931	930	930	938	937	912	889	770	745	746	715	—
	5	929	946	946	973	955	964	964	947	906	855	791	771	—
	6	956	965	964	965	973	973	965	947	899	829	824	787	—
	7	938	929	929	929	937	936	937	856	778	732	694	720	—
	8	897	904	913	921	921	930	930	900	801	761	731	725	—
	9	955	964	973	973	973	982	973	973	930	890	821	877	—
	10	930	965	965	973	973	973	982	973	966	900	816	789	—
	11	965	965	965	973	973	973	982	973	948	816	768	760	—
	12	940	923	930	939	947	947	966	940	869	871	797	758	—
	13	947	956	956	956	965	965	956	904	872	884	808	782	—
	14	949	933	923	939	956	965	965	891	838	795	775	693	—
	15	930	930	938	938	946	937	946	906	853	839	773	694	—
	16	929	919	918	918	926	926	900	870	807	739	688	686	—
	17	930	913	921	913	929	937	910	856	789	725	668	646	—
	18	939	956	938	922	939	947	947	974	974	908	839	811	—
	19	948	899	906	922	869	829	862	888	956	956	948	805	—
	20	947	965	964	964	964	964	964	973	947	947	930	875	—
	21	956	973	982	965	973	982	965	965	965	973	965	948	—
	22	964	973	964	964	955	955	973	964	965	922	868	818	—
	23	948	957	957	957	957	948	948	900	817	939	965	947	—
	24	974	965	965	965	965	965	965	932	855	898	817	776	—
	25	948	957	956	956	956	973	974	933	819	758	735	694	—
	26	930	947	947	956	955	973	947	892	803	726	684	610	—
	27	908	916	898	914	870	877	870	833	738	783	863	764	—
	28	939	939	939	947	956	956	956	891	823	956	924	840	—
	29	904	912	937	937	937	946	938	874	822	862	833	796	—
	30	956	946	955	973	964	964	991	922	843	784	759	722	—
	31	931	956	956	973	965	973	973	973	973	973	973	965	—
Hourly Means.		942	945	946	950	949	951	950	922	872	848	816	782	—
Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
J A N U A R Y .	1	831	816	786	794	793	831	884	906	923	923	948	947	896
	2	974	966	958	941	905	947	956	956	956	956	965	965	960
	3	748	747	745	758	831	877	901	843	866	865	899	899	858
	4	715	750	742	748	788	795	832	863	811	854	887	938	838
	5	745	736	715	749	850	898	939	939	947	947	965	956	889
	6	789	759	788	804	800	882	922	922	922	922	921	930	892
	7	662	745	757	749	755	802	808	846	853	885	900	880	832
	8	676	688	780	777	785	819	826	833	863	902	891	917	838
	9	824	769	748	762	781	858	898	914	931	930	947	917	900
	10	797	790	775	790	825	882	922	922	922	939	947	930	902
	11	762	750	758	736	748	812	878	885	908	925	932	940	879
	12	745	725	703	749	790	825	870	835	908	924	923	947	868
	13	776	783	775	804	797	841	878	901	917	941	924	957	885
	14	700	700	718	738	745	766	831	876	892	907	915	923	847
	15	708	708	726	724	716	786	845	891	899	923	913	930	850
	16	612	605	633	671	688	726	816	852	883	915	923	931	812
	17	842	793	783	899	916	940	948	948	940	931	922	922	872
	18	810	804	811	825	855	870	893	917	917	907	916	932	898
	19	756	729	729	743	735	771	844	900	899	924	957	966	864
	20	815	823	830	884	816	853	876	900	932	924	957	930	914
	21	957	910	907	816	869	885	891	932	940	948	957	957	942
	22	748	741	749	776	788	816	861	892	907	932	940	948	891
	23	957	907	891	869	869	876	925	941	948	957	957	957	929
	24	805	784	818	811	788	810	854	908	907	932	910	948	889
	25	693	699	731	731	729	763	821	843	865	898	905	897	843
	26	665	651	687	699	745	791	841	878	886	909	918	926	832
	27	755	776	728	728	739	781	833	870	884	916	906	931	837
	28	770	750	742	745	736	790	848	885	852	874	872	889	867
	29	803	782	810	834	938	946	946	964	964	956	956	965	896
	30	703	709	712	735	725	759	801	844	891	899	915	905	849
	31	966	966	948	924	907	907	931	948	947	956	965	965	955
Hourly Means.		778	771	774	784	798	836	875	897	907	920	928	936	878

DIRECTION OF THE WIND.

Mean Batavia Time.	1 A. M.	2	3	4	5	6	7	8	9	10	11	12
1	C	C	C	NNW	NNW	C	C	C	NW	NW	NNW	NNW
2	N	N	C	C	C	N	N	C	N	C	N	N
3	C	C	C	C	C	C	W	W	W	WNW	NW	NNW
4	C	C	C	C	C	C	C	C	NW	NW	N	N
5	C	C	C	C	C	C	C	C	WNW	NW	NNW	NNW
6	C	C	C	C	W	W	W	C	C	WNW	NW	NNW
7	C	C	C	C	C	C	C	C	NNE	NNE	NW	N
8	C	C	C	C	C	C	C	C	C	N	N	NNW
9	E	E	E	C	C	C	C	C	E	NW	NW	NW
10	NW	NW	NW	NW	C	C	C	C	NW	NW	NW	NW
11	C	C	C	C	C	C	C	C	NW	NW	NW	NW
12	C	C	C	C	C	C	C	N	NW	WNW	NW	NNW
13	C	C	C	C	C	C	C	C	C	NW	NW	NW
14	N	N	NW	C	C	C	C	NW	NW	NW	NNW	NNW
15	C	C	C	C	C	C	C	C	N	N	NNW	NNW
16	C	C	C	C	C	C	C	C	NNW	NNW	NW	NW
17	C	C	C	C	C	C	C	N	NW	NW	NW	NW
18	C	C	C	NW	NW	C	C	C	C	NW	NNW	NW
19	C	NNW	NNW	NNW	NNW	NNW	C	C	C	C	NNW	NNW
20	C	NW	NW	NW	C	C	C	C	NW	NW	NW	NW
21	C	NNW	C	C	C	C	C	C	C	C	C	C
22	C	NNW	C	C	C	NNW	C	NNW	C	NNW	NW	NW
23	C	C	C	C	C	C	N	N	N	NNW	C	C
24	C	C	C	C	C	C	C	C	NNW	NNW	NNW	NE
25	C	C	C	C	N	C	N	N	N	NNE	NNE	NNE
26	C	C	C	C	C	C	C	C	ESE	ENE	ENE	NE
27	C	C	C	N	C	C	C	C	C	C	N	N
28	C	C	C	C	C	C	C	C	N	NNW	NNW	NNW
29	C	C	C	C	C	C	C	WNW	WNW	NW	NNW	NNW
30	C	C	C	C	C	C	C	WSW	WSW	WSW	WNW	NW
31	C	C	C	C	N	N	C	C	C	C	N	N

[illegible]

VELOCITY OF THE WIND IN KILOMETERS PER HOUR.

Mean Batavia Time.		1 A.M.	2	3	4	5	6	7	8	9	10	11	12	—
J A N U A R Y.	1	0.0	0.0	0.0	0.8	0.8	0.0	0.0	0.0	0.8	4.0	8.9	6.4	—
	2	1.6	1.6	0.0	0.0	0.0	1.6	0.8	0.0	0.8	0.0	0.8	0.8	—
	3	0.0	0.0	0.0	0.0	0.0	0.0	0.8	2.4	3.2	4.0	6.4	8.0	—
	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	3.2	4.0	7.2	—
	5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	4.0	5.6	9.7	—
	6	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.0	0.0	4.0	5.6	4.8	—
	7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	2.4	2.4	4.8	—
	8	0.0	0.0	0.0	0.0	6.0	0.0	0.0	0.0	0.0	3.2	6.4	8.9	—
	9	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0	2.4	6.4	8.0	7.2	—
	10	5.6	0.8	0.8	0.8	0.0	0.0	0.0	0.0	0.8	8.0	10.5	12.1	—
	11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	10.5	12.9	10.5	—
	12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.6	6.4	9.7	9.7	—
	13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.2	12.1	12.9	—
	14	1.6	1.6	1.6	0.0	0.0	0.0	0.0	1.6	7.2	9.7	9.7	11.3	—
	15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	2.4	6.4	8.9	—
	16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	7.2	7.2	8.0	—
	17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	3.2	5.6	8.9	9.7	—
	18	0.0	0.0	0.0	2.4	2.4	0.0	0.0	0.0	0.0	7.2	12.1	13.7	—
	19	0.0	1.6	0.8	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.8	5.6	—
	20	0.0	3.2	1.6	0.8	0.0	0.0	0.0	0.0	0.8	1.6	0.8	1.6	—
	21	0.0	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	—
	22	0.0	1.6	0.0	0.0	0.0	0.8	0.0	0.8	0.0	1.6	4.0	6.4	—
	23	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	4.0	5.6	0.0	0.0	—
	24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	3.2	6.4	9.7	—
	25	0.0	0.0	0.0	0.0	0.8	0.0	0.8	1.6	4.0	4.8	4.0	8.9	—
	26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	3.2	3.2	4.8	—
	27	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.0	0.0	3.2	5.6	—
	28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.6	4.8	2.4	5.6	—
	29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	4.0	6.4	5.6	8.0	—
	30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	2.4	5.6	4.8	—
	31	0.0	0.0	0.0	0.0	0.8	0.8	0.0	0.0	0.0	0.0	0.8	0.8	—
Hourly Means.		0.34	0.46	0.21	0.23	0.23	0.18	0.13	0.36	1.68	4.16	5.63	6.98	—
Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
J A N U A R Y.	1	4.8	5.6	5.6	2.4	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.74
	2	0.0	0.0	0.0	1.6	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.43
	3	8.9	10.5	9.7	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	2.48
	4	9.7	10.5	8.9	6.4	3.2	0.0	0.0	0.0	1.6	0.0	0.0	0.0	2.38
	5	12.1	9.7	8.0	6.4	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.41
	6	7.2	6.4	8.0	2.4	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.73
	7	4.8	7.2	6.4	6.4	5.6	2.4	0.0	0.0	0.0	0.0	0.0	0.0	1.83
	8	8.0	7.2	5.6	4.8	3.2	0.8	0.0	0.0	0.0	0.0	8.0	7.2	2.64
	9	7.2	5.6	7.2	7.2	4.8	2.4	0.0	0.0	0.0	0.0	0.0	0.0	2.63
	10	10.5	8.9	8.9	5.6	1.6	1.6	0.0	0.0	0.0	0.0	0.8	0.0	3.22
	11	8.0	7.2	4.8	4.0	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.51
	12	7.2	8.0	7.2	4.0	1.6	0.0	0.0	0.0	0.0	0.0	1.6	0.0	2.41
	13	12.1	5.6	1.6	1.6	0.8	0.0	0.0	0.0	0.0	0.0	1.6	0.8	2.35
	14	11.3	7.2	4.8	3.2	1.6	0.8	0.0	0.0	0.0	0.0	0.0	0.0	3.05
	15	7.2	7.2	5.6	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.74
	16	8.0	6.4	8.0	7.2	1.6	0.8	0.0	0.0	0.0	0.0	0.0	0.0	2.37
	17	9.7	8.9	8.9	3.2	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.49
	18	13.7	9.7	9.7	4.0	0.8	0.0	0.0	0.8	0.0	0.0	0.8	0.0	3.22
	19	6.4	5.6	4.8	6.4	3.2	0.8	0.0	0.0	0.0	0.0	0.0	1.6	1.77
	20	1.6	0.0	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.53
	21	0.0	0.0	6.0	3.2	0.8	0.0	0.0	0.0	0.0	0.0	0.0	3.2	0.40
	22	7.2	5.6	4.0	4.0	4.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0	1.73
	23	0.8	4.8	2.4	1.6	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.90
	24	8.9	8.0	5.6	3.2	3.2	0.8	0.0	0.0	0.0	0.0	0.0	0.0	2.14
	25	10.5	9.7	9.7	9.7	4.0	1.6	1.6	0.0	0.0	0.0	0.0	0.0	2.99
	26	4.8	5.6	6.4	4.8	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.50
	27	8.9	6.4	5.6	4.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.50
	28	6.4	8.0	7.2	3.2	0.8	0.0	0.0	0.0	0.8	4.8	1.6	0.0	2.13
	29	8.9	9.7	4.8	4.0	0.8	0.8	0.0	0.0	0.8	0.0	0.8	0.8	2.34
	30	6.4	6.4	7.2	5.6	3.2	1.6	0.0	0.0	0.0	0.0	0.0	0.0	1.93
	31	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.17
Hourly Means.		7.16	6.50	5.72	4.11	1.81	0.49	0.05	0.03	0.10	0.15	0.49	0.54	1.99

CLOUDS.

CLEAR = 0. — OVERCAST = 10.

Mean Batavia Time.	1 A.M.	2	3	4	5	6	7	8	9	10	11	12	—
JANUARY.	1	10	10	10	10	10	10	10	10	10	9	10	—
	2	10	10	10	10	10	10	7	2	10	10	10	—
	3	10	9	9	9	6	7	4	2	1	2	3	—
	4	7	10	10	10	8	8	5	4	3	5	4	—
	5	8	4	1	1	4	8	8	7	9	9	7	—
	6	10	10	10	10	10	10	8	9	9	9	9	—
	7	6	5	5	8	6	6	4	3	3	6	7	—
	8	8	7	7	7	5	8	6	6	7	10	6	—
	9	10	10	10	10	10	10	10	10	10	9	9	—
	10	10	10	10	10	10	10	10	10	10	9	9	—
	11	10	10	10	10	10	10	10	9	9	7	9	—
	12	5	8	10	10	7	6	3	7	7	6	5	—
	13	10	10	7	7	8	10	10	10	10	10	7	—
	14	10	10	10	10	10	10	10	10	10	9	6	—
	15	1	1	2	1	2	7	6	5	8	9	7	—
	16	3	2	2	4	2	1	3	7	4	4	6	—
	17	4	5	6	4	2	4	2	1	4	6	7	—
	18	4	4	7	10	9	10	10	10	7	10	10	—
	19	9	10	10	10	10	10	10	10	10	10	10	—
	20	10	10	10	10	10	10	10	10	10	10	10	—
	21	10	10	10	10	10	10	10	10	10	10	10	—
	22	10	10	10	10	10	10	10	6	3	3	2	—
	23	5	3	6	8	5	7	6	10	6	19	10	—
	24	3	4	2	2	1	1	7	5	8	10	5	—
	25	3	2	2	1	2	4	1	2	6	6	3	—
	26	6	4	4	3	2	1	2	2	4	3	2	—
	27	6	9	10	9	6	6	2	3	5	7	6	—
	28	3	5	7	7	4	3	3	2	10	8	6	—
	29	9	7	4	2	2	6	4	4	10	8	10	—
	30	9	7	3	4	8	9	9	9	9	9	8	—
	31	10	10	10	10	10	10	10	10	10	10	10	—
Hourly Means.	7.4	7.3	7.2	7.3	6.7	7.5	6.8	6.7	7.4	7.8	7.8	7.3	—
Mean Batavia Time.	1 P.M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
JANUARY.	1	10	10	10	9	8	7	8	9	9	10	10	9.5
	2	10	10	9	9	10	10	10	10	10	9	10	9.4
	3	6	4	3	8	9	7	8	9	9	10	10	6.5
	4	8	8	5	4	8	6	9	9	10	10	10	7.4
	5	7	7	6	9	10	10	10	10	10	7	6	7.3
	6	9	10	9	9	10	10	10	10	10	9	8	9.4
	7	5	6	4	3	3	8	6	9	7	7	6	5.8
	8	7	6	4	4	2	3	8	7	9	10	10	6.9
	9	10	8	8	5	10	10	9	6	7	4	3	8.6
	10	9	8	8	9	10	10	10	10	9	10	10	9.6
	11	9	6	7	8	7	6	8	6	4	3	3	7.5
	12	8	9	9	8	5	6	6	3	2	3	10	6.7
	13	5	3	3	4	6	7	7	4	6	3	10	7.4
	14	7	6	9	9	10	6	8	6	6	3	2	7.8
	15	8	8	8	7	6	5	4	5	5	4	6	5.4
	16	1	1	0	0	0	0	1	0	0	1	0	2.0
	17	10	10	10	10	10	8	7	4	6	5	4	5.8
	18	3	2	4	6	6	7	9	10	10	8	9	7.6
	19	10	10	10	6	6	4	8	7	9	10	10	9.1
	20	10	10	10	10	10	9	10	10	8	10	10	9.9
	21	10	10	10	9	9	9	10	8	5	3	9	9.0
	22	7	9	9	9	9	8	9	9	7	8	7	8.1
	23	7	6	6	3	4	4	7	8	7	9	9	6.9
	24	7	5	7	9	5	4	6	7	7	4	5	5.4
	25	2	3	5	5	7	7	8	9	10	7	8	4.8
	26	3	2	2	3	1	1	3	9	4	8	10	3.9
	27	8	8	7	8	8	9	9	8	9	7	4	7.2
	28	6	4	3	5	4	6	7	8	9	8	9	5.7
	29	9	10	10	10	10	10	10	10	9	10	10	8.1
	30	9	9	6	4	1	6	2	1	1	6	7	6.1
	31	10	10	10	9	9	8	5	3	4	3	3	8.2
Hourly Means.	7.4	7.0	6.8	6.8	6.9	6.8	7.5	7.3	7.1	6.7	7.5	7.3	7.18

BAROMETRIC PRESSURE.

BAROMETER AT 0°C = 750 MILLIMETRES + THE NUMBERS IN THE TABLE.

Mean Batavia Time.	1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—	
F E B R U A R Y .	1	10.07	9.69	9.41	9.22	10.00	10.36	10.15	10.69	10.68	10.66	10.59	10.14	—
	2	9.81	9.61	9.88	9.53	9.73	9.99	10.20	10.69	10.80	10.50	10.40	9.97	—
	3	9.80	9.53	9.44	9.36	9.59	9.95	10.73	11.15	11.30	11.49	11.24	10.94	—
	4	9.96	9.34	9.34	9.36	9.46	9.70	10.30	10.80	11.15	11.03	10.85	10.29	—
	5	8.92	8.73	8.83	9.03	9.41	9.66	9.83	10.13	10.50	10.21	9.65	9.06	—
	6	9.12	8.87	8.62	8.73	9.25	9.18	9.90	10.58	10.73	10.46	10.24	9.62	—
	7	9.37	8.96	8.55	8.57	9.04	9.20	9.86	10.25	10.50	10.37	9.83	8.89	—
	8	7.36	7.12	6.99	7.17	7.39	7.66	8.40	8.42	8.44	8.12	7.79	7.15	—
	9	7.35	6.95	6.86	6.91	7.07	7.38	7.93	8.40	8.48	8.47	8.22	7.74	—
	10	7.70	7.01	6.72	6.64	6.70	7.46	7.78	7.72	7.82	7.75	7.35	6.94	—
	11	8.56	7.96	7.69	7.61	7.63	7.88	8.56	8.87	8.80	8.71	8.63	7.98	—
	12	8.14	7.81	7.47	7.39	7.41	7.58	8.15	8.68	8.84	8.86	8.50	7.99	—
	13	7.75	7.80	7.80	7.60	7.65	8.20	8.57	9.13	9.71	9.71	9.78	9.00	—
	14	9.49	9.16	8.62	8.23	7.84	8.31	8.97	9.47	9.91	9.70	9.56	9.00	—
	15	9.21	8.68	8.35	8.11	8.13	8.41	8.83	9.34	9.55	9.27	8.88	8.21	—
	16	8.20	7.93	7.38	7.29	7.16	7.31	7.86	8.08	8.26	8.17	7.90	7.40	—
	17	7.43	7.05	6.95	6.80	6.81	7.23	7.65	8.01	8.42	8.35	8.21	7.73	—
	18	7.96	7.52	6.99	6.81	7.18	7.27	7.66	8.25	8.26	8.37	7.98	7.66	—
	19	7.86	7.72	7.43	7.35	7.56	7.63	8.05	8.66	9.05	9.11	8.96	8.44	—
	20	8.52	7.91	7.85	8.13	8.22	8.73	8.88	9.28	9.68	9.56	9.32	9.01	—
	21	9.11	8.71	8.51	8.31	8.32	8.93	9.20	9.86	10.00	9.92	9.67	8.93	—
	22	9.22	8.82	8.49	8.25	8.22	8.76	9.18	9.89	10.10	9.78	9.53	8.70	—
	23	8.84	8.65	7.85	8.06	8.47	8.62	9.06	9.56	9.64	9.63	9.20	8.60	—
	24	7.92	7.59	7.29	6.85	7.01	7.42	8.03	8.95	8.97	9.07	8.81	8.29	—
	25	8.26	7.86	7.41	7.22	7.42	7.72	8.20	8.90	9.22	9.16	8.85	8.45	—
	26	8.88	8.43	8.20	8.42	8.95	9.30	9.66	10.16	10.13	10.30	10.02	9.44	—
	27	9.17	8.70	8.37	8.30	8.60	8.86	9.24	9.90	10.26	10.05	9.78	9.39	—
	28	8.89	8.37	8.10	8.11	8.41	8.77	9.08	9.61	9.99	9.89	9.48	8.94	—
Hourly Means.		8.67	8.30	8.05	7.98	8.17	8.48	8.93	9.41	9.62	9.52	9.26	8.71	—

Mean Batavia Time.	1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.	
F E B R U A R Y .	1	9.72	9.12	8.57	8.38	8.46	9.15	9.48	9.92	10.25	10.30	10.31	10.16	9.81
	2	9.48	8.85	8.15	7.85	8.25	8.81	9.20	9.55	9.87	10.38	10.19	10.16	9.66
	3	10.37	10.13	9.93	9.53	9.65	9.99	10.54	10.90	11.13	11.39	11.10	10.85	10.42
	4	9.83	9.18	8.68	8.51	8.90	9.45	9.97	10.24	10.28	10.10	10.09	9.65	9.85
	5	8.65	8.16	7.60	7.14	7.70	8.66	8.92	9.63	10.01	10.34	10.21	9.69	9.19
	6	8.68	8.10	7.63	7.68	7.68	8.05	8.83	9.28	10.03	10.65	10.45	9.80	9.26
	7	8.34	7.58	6.83	6.83	6.93	7.25	7.79	8.36	8.51	8.55	8.97	8.35	8.65
	8	6.70	6.49	6.88	7.25	6.86	7.12	7.77	7.68	8.35	8.71	8.57	8.00	7.60
	9	7.00	6.59	6.07	5.92	6.03	6.60	6.94	7.30	7.85	8.35	8.51	8.26	7.38
	10	6.84	6.36	5.94	5.72	6.18	6.58	7.18	7.96	8.44	8.61	8.84	8.89	7.30
	11	7.45	6.74	6.22	6.14	6.38	7.05	7.65	8.19	8.56	8.82	8.94	8.64	7.90
	12	7.69	6.90	6.51	6.23	6.75	7.56	7.85	8.42	8.82	8.97	9.07	8.28	7.91
	13	8.47	7.98	7.68	7.47	7.52	8.08	8.42	8.88	9.20	9.65	9.66	9.77	8.56
	14	8.40	7.75	7.64	7.11	7.45	8.04	8.67	8.87	9.37	9.61	9.71	9.43	8.76
	15	7.60	6.88	6.47	6.37	6.33	6.73	6.95	7.35	7.90	8.54	8.77	8.60	8.06
	16	6.53	5.89	5.19	5.15	5.22	5.63	6.34	6.93	7.46	7.92	7.97	7.86	7.13
	17	6.97	6.32	5.72	5.75	5.58	6.34	6.91	7.40	8.02	8.05	8.64	8.60	7.29
	18	7.12	6.58	5.70	5.64	5.89	6.51	6.90	7.42	7.80	8.04	8.46	8.34	7.35
	19	7.65	6.65	6.31	6.19	6.40	6.96	7.40	7.96	8.46	8.85	9.07	8.93	7.86
	20	8.36	7.66	7.40	7.48	7.54	8.25	8.70	9.15	9.60	9.96	9.78	9.79	8.70
	21	8.33	7.65	7.47	7.14	7.19	7.83	8.51	9.05	9.65	9.88	9.89	9.70	8.82
	22	7.69	7.10	6.58	6.09	6.53	7.06	8.05	8.93	9.73	9.78	9.47	9.17	8.55
	23	7.68	6.79	6.65	6.57	7.10	7.74	8.40	8.72	8.95	9.06	9.11	8.71	8.41
	24	7.54	6.73	6.61	6.34	6.51	7.02	7.65	8.26	8.62	8.72	8.89	8.62	7.82
	25	7.89	7.14	7.09	7.00	7.01	7.49	7.95	8.51	9.14	9.49	9.07	9.30	8.15
	26	8.88	8.38	7.99	7.69	7.71	8.24	8.66	9.21	9.72	10.33	10.41	9.84	9.14
	27	8.63	8.00	7.24	7.05	7.25	7.58	8.38	8.70	9.12	9.62	9.38	9.64	8.80
	28	8.21	7.41	7.16	6.86	6.95	7.58	8.04	8.56	8.81	9.19	9.37	9.29	8.55
Hourly Means.		8.10	7.47	7.07	6.90	7.07	7.62	8.15	8.62	9.06	9.35	9.39	9.15	8.46

STANDARD THERMOMETER.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
FEBRUARY.	1	73.0	72.6	72.2	71.9	71.9	71.9	73.5	74.5	76.0	77.2	77.4	78.6	—
	2	74.0	74.3	73.8	73.6	73.4	73.2	73.6	75.9	77.0	76.5	77.6	79.1	—
	3	74.7	74.6	74.7	74.5	74.3	73.8	73.4	73.6	74.1	74.1	74.1	73.1	—
	4	73.3	72.6	72.6	72.6	72.5	72.3	72.7	74.7	76.8	79.0	80.3	81.4	—
	5	75.2	74.9	75.0	75.1	75.2	75.0	75.0	75.3	76.5	78.4	80.6	81.7	—
	6	74.6	73.9	73.5	73.4	73.4	73.4	73.6	74.8	77.1	79.6	79.2	80.2	—
	7	77.2	77.0	76.1	75.6	75.3	75.1	75.6	76.6	77.0	78.5	80.3	81.0	—
	8	76.5	76.3	75.5	75.1	74.8	74.6	74.6	77.3	79.8	82.3	84.0	83.3	—
	9	73.4	73.0	72.7	72.5	72.5	72.3	73.5	76.1	79.0	79.8	81.5	82.3	—
	10	76.1	76.0	75.5	75.0	74.5	74.8	75.0	76.2	78.6	81.0	83.0	84.5	—
	11	74.5	74.5	74.3	74.0	73.4	73.4	73.7	75.0	78.0	80.5	82.0	83.0	—
	12	75.1	74.8	74.8	74.4	74.0	73.8	73.9	75.2	78.1	80.3	80.0	80.6	—
	13	73.5	73.5	73.5	73.4	73.7	73.8	74.0	75.0	73.4	73.8	74.0	75.1	—
	14	72.5	72.1	71.5	71.5	71.3	71.1	71.5	72.5	74.3	76.5	78.3	79.5	—
	15	74.0	72.8	72.5	72.1	71.8	71.9	72.1	72.7	73.6	76.4	78.3	81.0	—
	16	74.0	73.5	73.1	73.1	72.6	72.4	72.4	74.4	76.8	78.4	79.8	81.1	—
	17	75.0	75.0	75.2	75.0	74.4	74.0	74.5	77.0	79.1	81.4	82.0	82.9	—
	18	75.8	75.4	75.0	74.2	73.4	72.6	73.0	75.3	78.8	81.2	82.4	82.2	—
	19	74.7	75.2	74.2	73.6	73.3	73.1	73.1	73.5	74.4	76.1	77.2	79.9	—
	20	75.1	75.5	75.3	73.3	73.5	73.3	73.8	74.7	76.3	78.7	79.4	80.3	—
	21	74.0	73.7	73.7	73.3	73.3	73.3	74.0	75.8	78.0	79.2	80.5	81.2	—
	22	76.0	76.0	75.8	75.3	74.3	74.0	74.4	75.5	78.0	79.4	79.8	81.1	—
	23	75.3	75.5	75.3	74.6	74.6	74.3	74.8	76.8	79.1	79.5	80.7	80.7	—
	24	75.4	75.1	74.8	74.4	74.2	74.1	74.4	74.8	76.3	78.6	80.6	81.7	—
	25	75.1	75.0	75.0	74.8	75.0	74.7	75.1	75.5	76.8	79.0	80.4	80.8	—
	26	73.3	73.6	73.5	73.3	73.0	73.1	73.5	74.9	76.2	79.0	81.0	82.1	—
	27	73.9	73.5	73.3	73.1	73.1	73.1	73.5	74.3	75.8	77.9	80.0	80.6	—
	28	74.5	73.9	73.4	73.6	73.6	74.1	74.1	75.0	75.9	77.4	78.4	80.3	—
Hourly Means.		74.63	74.42	74.14	73.80	73.58	73.45	73.80	75.10	76.81	78.56	79.74	80.69	—
Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
FEBRUARY.	1	78.8	80.1	80.4	81.0	80.3	79.3	78.0	76.6	76.3	76.1	75.6	75.1	76.18
	2	79.6	80.5	80.2	80.1	79.9	79.1	78.4	77.7	77.4	77.2	76.4	74.3	76.78
	3	74.2	74.5	74.5	75.0	75.7	75.8	74.7	74.0	74.0	73.6	73.6	73.4	74.25
	4	80.6	81.8	81.4	81.0	80.0	79.5	78.5	77.5	76.5	76.5	76.0	75.6	76.90
	5	81.8	82.5	81.7	81.5	81.0	77.6	76.1	75.7	75.5	75.3	75.0	74.6	77.34
	6	81.9	82.1	81.3	80.6	80.2	79.9	79.4	78.7	78.7	78.4	78.2	78.0	77.67
	7	82.0	83.3	82.4	82.0	81.0	80.1	79.2	78.8	78.3	77.8	77.7	77.3	78.55
	8	81.9	82.8	77.0	76.5	75.4	74.9	74.5	74.9	74.1	74.0	73.6	73.6	76.97
	9	83.1	82.9	83.3	82.9	80.5	79.7	78.6	78.1	77.5	77.5	77.1	76.4	77.76
	10	85.0	84.2	83.2	82.8	81.5	80.6	80.2	79.8	79.0	78.3	77.5	75.3	79.07
	11	82.1	81.6	80.7	80.2	79.8	77.4	75.8	75.6	75.7	75.6	75.6	75.4	77.16
	12	80.0	80.2	79.6	79.0	78.0	73.9	74.1	74.2	74.2	74.3	74.5	73.7	76.28
	13	76.1	76.3	77.1	77.5	77.1	74.0	73.6	73.6	73.4	73.1	73.1	72.9	74.35
	14	80.2	80.9	78.8	78.4	78.0	77.7	76.5	76.0	75.6	75.4	75.4	75.2	75.45
	15	82.6	83.3	83.8	83.1	81.1	78.7	77.7	76.8	76.0	75.7	75.2	75.0	76.59
	16	82.5	84.0	82.8	82.2	81.5	81.1	79.8	78.9	78.0	76.7	76.3	75.7	77.55
	17	83.7	83.3	82.8	80.1	80.1	79.2	78.0	77.7	77.0	76.1	76.2	76.0	78.15
	18	82.0	78.5	78.7	79.0	79.6	79.6	78.5	78.1	76.7	75.9	75.7	75.3	77.37
	19	80.1	81.0	82.0	81.1	80.5	78.5	77.0	75.9	75.9	75.9	75.7	75.3	76.55
	20	81.1	80.4	80.0	79.7	79.7	76.0	75.3	74.8	74.5	74.3	74.3	74.3	76.40
	21	81.6	82.0	82.6	79.6	79.2	78.3	77.4	77.0	76.5	76.5	76.5	76.0	77.22
	22	82.7	82.5	82.3	81.0	80.8	80.0	79.3	79.0	76.5	76.0	75.4	75.3	77.93
	23	82.0	83.0	82.5	81.8	78.6	77.6	76.5	76.0	76.0	76.0	76.0	76.0	77.63
	24	81.4	81.0	77.0	77.0	76.7	76.5	76.2	76.2	75.6	75.6	75.4	75.4	76.60
	25	80.8	80.7	80.0	80.0	80.0	79.5	79.0	78.1	78.1	77.5	77.0	74.8	77.61
	26	81.0	80.8	80.7	80.3	80.0	79.8	78.1	77.5	77.0	76.2	75.2	74.3	76.98
	27	82.0	81.2	81.3	81.0	80.8	80.0	79.4	79.2	79.0	78.7	78.4	76.0	77.46
	28	80.4	80.5	80.0	80.5	80.3	79.7	79.5	77.2	77.0	77.4	77.7	78.4	77.20
Hourly Means.		81.11	81.28	80.65	80.18	79.55	78.36	77.48	76.91	76.43	76.13	75.87	75.31	77.00

RELATIVE HUMIDITY OF THE AIR.

SATURATION = 1000.

Mean Batavia Time.	1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—	
F E B R U A R Y .	1	965	955	928	928	936	936	973	965	932	900	917	838	—
	2	973	973	973	973	973	973	973	966	932	940	884	863	—
	3	956	956	965	965	956	956	956	956	921	904	887	920	—
	4	956	955	964	964	964	964	973	904	867	816	745	749	—
	5	940	947	957	966	966	966	983	966	948	885	805	822	—
	6	922	938	947	938	947	947	917	922	892	841	894	834	—
	7	892	900	923	923	948	957	974	940	891	831	804	790	—
	8	940	932	940	948	947	947	956	900	840	786	735	739	—
	9	903	911	929	937	937	955	947	899	823	795	741	744	—
	10	940	931	948	939	965	947	947	932	869	776	671	624	—
	11	947	947	947	947	956	947	912	888	805	774	736	739	—
	12	957	965	965	973	973	965	965	948	901	818	803	782	—
	13	965	965	965	965	965	973	973	957	965	956	956	957	—
	14	955	964	955	964	964	973	973	964	947	891	837	809	—
	15	930	946	946	946	936	936	936	910	929	866	830	776	—
	16	912	920	929	920	946	946	946	913	859	831	810	769	—
	17	897	897	905	905	913	921	922	843	816	741	743	717	—
	18	881	881	889	879	895	929	920	880	800	761	729	729	—
	19	922	905	939	938	916	955	955	956	947	923	900	840	—
	20	939	948	948	938	956	956	947	983	948	854	802	752	—
	21	982	965	965	965	956	956	965	915	846	816	775	756	—
	22	948	948	948	931	921	938	947	923	861	824	810	783	—
	23	966	966	957	983	965	973	974	940	902	870	835	842	—
	24	948	966	974	965	973	973	973	983	966	902	835	807	—
	25	966	974	966	966	966	974	966	974	974	870	842	783	—
	26	956	947	956	946	964	955	991	983	916	808	733	701	—
	27	947	956	956	965	973	973	956	965	948	861	795	804	—
	28	956	956	956	956	965	973	965	974	940	892	877	796	—
Hourly Means.	941	943	948	948	953	956	958	937	899	848	812	788	—	
Mean Batavia Time.	1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.	
F E B R U A R Y .	1	831	752	782	761	788	839	885	916	932	940	966	974	897
	2	817	797	759	788	809	823	869	908	917	932	948	956	905
	3	887	897	888	888	881	889	939	947	947	956	956	956	930
	4	738	749	719	761	795	824	846	892	907	916	932	948	869
	5	807	766	763	770	798	844	899	915	923	931	939	947	894
	6	792	764	791	767	811	833	863	894	902	918	918	926	881
	7	729	698	744	778	827	864	886	885	908	917	917	925	869
	8	771	731	867	850	864	855	888	888	904	912	912	912	874
	9	711	690	671	724	753	802	846	877	901	901	900	924	843
	10	576	541	611	656	726	760	803	825	854	877	933	974	818
	11	758	756	775	796	802	892	940	948	957	957	957	957	877
	12	787	766	802	816	892	938	947	956	965	965	965	956	907
	13	924	916	875	860	867	938	956	956	956	964	955	946	945
	14	811	790	831	799	837	884	906	906	905	914	931	939	902
	15	723	698	680	704	733	763	790	818	841	856	855	863	842
	16	731	700	774	772	776	711	750	778	814	874	874	889	839
	17	720	712	717	817	817	839	884	892	773	833	841	865	830
	18	750	885	885	863	855	863	877	877	866	865	864	872	854
	19	825	783	757	776	797	869	883	923	915	906	915	931	892
	20	748	782	759	787	802	890	922	939	947	956	965	973	893
	21	771	750	759	870	839	853	900	916	932	932	932	940	886
	22	752	745	765	791	761	833	870	886	916	931	948	957	872
	23	750	732	751	777	885	925	924	932	948	948	966	932	902
	24	770	762	907	900	907	932	906	899	923	931	940	923	915
	25	775	775	774	788	803	809	847	901	893	933	932	914	890
	26	775	753	738	752	773	773	853	876	907	940	957	956	871
	27	763	784	776	775	782	818	863	854	854	909	893	865	876
	28	788	782	795	797	811	825	855	892	916	867	893	831	886
Hourly Means.	771	759	776	792	814	846	878	896	904	917	925	927	881	

DIRECTION OF THE WIND.

Mean Batavia Time	1 A. M.	2	3	4	5	6	7	8	9	10	11	12
FEBRUARY.	1	C	C	C	C	C	C	C	N	WNW	WNW	NW
	2	NNE	NNE	C	N	N	C	C	NNW	NNW	NW	NW
	3	NW	NW	NW	NW	NW	NW	NW	WNW	NW	NW	NW
	4	C	C	C	C	C	C	C	NW	NW	NNW	NNW
	5	C	C	C	C	C	C	C	C	N	N	N
	6	C	C	C	C	C	C	C	S	SSW	SSW	NW
	7	C	C	C	C	C	C	C	NNW	NNW	NW	NW
	8	C	C	C	C	C	C	C	NNW	NNW	NW	WNW
	9	C	C	C	C	C	C	WSW	WSW	WNW	NNW	NW
	10	C	C	C	C	C	C	C	NNW	NNW	NW	NW
	11	WNW	WNW	C	C	C	C	WNW	WNW	WNW	WNW	WNW
	12	C	C	C	C	C	C	C	C	WSW	NW	NW
	13	C	C	C	C	C	C	C	WNW	WNW	WNW	WNW
	14	NW	C	C	C	C	C	C	C	C	NW	NW
	15	WNW	WNW	C	C	WNW	WNW	WNW	WNW	W	W	W
	16	C	C	C	C	C	C	W	W	WNW	WNW	NW
	17	C	C	NW	C	C	C	NW	NW	NW	NW	WNW
	18	C	C	C	C	C	WSW	C	WSW	WNW	NW	W
	19	C	NW	NW	C	C	C	C	C	C	NW	NW
	20	C	C	NW	C	NW	NW	C	C	NW	NW	NW
	21	C	WNW	WNW	C	C	C	C	WNW	WNW	NW	NW
	22	C	C	C	C	C	C	C	C	C	NW	NNW
	23	C	C	C	C	C	C	C	C	N	N	NNW
	24	C	C	NNW	C	C	C	C	C	C	NNW	NW
	25	C	W	W	W	C	C	W	C	W	NNW	N
	26	NNW	C	NNW	NNW	C	C	C	C	NNW	NNW	NNW
	27	NNW	NNW	C	C	C	C	C	C	C	NNW	NNW
	28	NW	NW	NW	C	C	NW	C	NW	NW	NW	NW

Mean Batavia Time.	1 P. M.	2	3	4	5	6	7	8	9	10	11	12
FEBRUARY.	1	NW	NNW	NNW	NNW	N	N	C	C	C	N	N
	2	NW	NW	NNW	NNW	NNW	NNW	C	C	C	C	NW
	3	NW	NW	NW	C	C	C	C	C	C	C	C
	4	N	NNW	NNW	N	N	N	C	C	C	C	C
	5	NNW	N	N	N	N	S	S	C	C	C	S
	6	NNW	NNW	NNW	N	NNW	NNW	C	C	C	C	C
	7	NW	NW	N	NNW	N	C	C	C	C	C	C
	8	NW	NW	WNW	WSW	WSW	WSW	WSW	WSW	WSW	C	C
	9	NW	NNW	N	NNW	NNW	C	C	C	C	C	C
	10	NW	NNW	N	N	N	N	C	C	C	C	NNW
	11	NNW	NNW	NNW	NNW	NNW	WSW	C	C	C	C	C
	12	NNW	NNW	NW	NNW	NW	WNW	C	C	C	C	C
	13	NW	NW	NW	NW	NW	WNW	C	C	C	C	WNW
	14	NW	NNW	WNW	WNW	C	C	C	C	C	C	C
	15	W	WNW	W	W	W	W	W	W	W	W	W
	16	NW	NNW	N	NNW	NW	NW	NW	NW	NW	C	C
	17	NW	NW	NW	NW	NW	NW	NW	NW	WSW	WSW	WSW
	18	NW	NW	NW	NW	NW	C	C	NW	WNW	C	C
	19	NW	N	NNW	NNW	NNW	C	C	C	C	C	C
	20	NNW	N	NNW	NNW	NNW	WNW	C	C	C	C	WNW
	21	NNW	N	NNW	NW	C	C	C	C	C	C	C
	22	NNW	NNW	N	N	N	N	C	N	N	C	C
	23	NNW	NNW	N	NNW	NNW	C	C	C	C	C	C
	24	NNW	N	W	C	C	C	C	C	C	C	C
	25	N	N	N	N	N	N	C	C	C	C	C
	26	NW	NW	N	N	N	C	C	C	C	N	NNW
	27	NNW	NNW	N	N	N	N	C	C	C	C	C
	28	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW

VELOCITY OF THE WIND IN KILOMETERS PER HOUR.

Mean Batavia Time.	1 A.M.	2	3	4	5	6	7	8	9	10	11	12	—
FEBRUARY.	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	1.6	5.6	—
	2	1.6	0.8	0.0	0.8	0.8	0.0	0.0	3.2	3.2	6.4	9.7	—
	3	3.2	2.4	4.0	4.0	3.2	7.2	5.6	7.2	8.0	10.5	4.8	—
	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	5.6	12.1	12.1	—
	5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	8.0	—
	6	0.0	0.0	0.0	0.0	0.0	0.0	0.8	2.4	4.0	4.8	5.6	—
	7	0.0	0.0	0.0	0.0	0.0	0.0	3.2	8.9	8.0	7.2	8.9	—
	8	0.0	0.0	0.0	0.0	0.0	0.0	4.0	2.4	6.4	9.7	12.1	—
	9	0.0	0.0	0.0	0.0	0.0	0.8	0.8	4.8	5.6	7.2	12.9	—
	10	0.0	0.0	0.0	0.0	0.0	0.0	0.8	2.4	7.2	9.7	12.1	—
	11	1.6	0.8	0.0	0.0	0.0	1.6	4.0	4.0	5.6	5.6	10.5	—
	12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	6.4	13.7	14.5	—
	13	0.0	0.0	0.0	0.0	0.0	0.0	0.8	2.4	0.8	4.0	8.0	—
	14	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	3.2	4.0	—
	15	1.6	0.8	0.0	0.0	0.8	1.6	3.2	2.4	4.0	6.4	5.6	—
	16	0.0	0.0	0.0	0.0	0.0	1.6	4.8	6.4	5.6	6.4	8.0	—
	17	0.0	0.0	0.8	0.0	0.0	0.8	2.4	3.2	7.2	8.0	8.9	—
	18	0.0	0.0	0.0	0.0	0.0	0.8	0.8	7.2	9.7	6.4	5.6	—
	19	0.0	1.6	0.8	0.0	0.0	0.0	0.0	0.0	0.8	2.4	7.2	—
	20	0.0	0.0	2.4	0.0	4.0	0.8	0.0	0.8	8.0	8.9	11.3	—
	21	0.0	0.8	0.8	0.0	0.0	0.0	0.8	3.2	6.4	8.9	10.5	—
	22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	4.0	4.0	—
	23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	4.0	8.0	12.1	—
	24	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.0	4.8	8.0	12.9	—
	25	0.0	0.8	0.8	0.8	0.0	0.0	0.8	3.2	9.7	11.3	15.3	—
	26	0.8	0.0	0.8	1.6	0.0	0.0	0.0	1.6	7.2	10.5	10.5	—
	27	0.8	1.6	0.0	0.0	0.0	0.0	0.0	0.0	4.8	10.5	12.9	—
	28	1.6	0.8	0.8	0.0	0.0	0.8	4.0	6.4	8.9	9.7	16.9	—
Hourly Means.	0.49	0.37	0.43	0.26	0.31	0.40	0.46	1.34	2.78	5.24	7.38	9.66	—
Mean Batavia Time.	1 P.M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
FEBRUARY.	1	6.4	11.3	9.7	8.0	4.8	0.8	0.0	0.0	0.0	4.0	4.8	2.44
	2	11.3	9.7	7.2	4.8	4.0	0.8	0.0	0.0	0.8	0.0	5.6	2.95
	3	1.6	4.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.14
	4	12.9	9.7	9.7	9.7	3.2	0.8	0.0	0.0	0.0	0.0	0.0	3.23
	5	10.5	11.3	13.7	10.5	4.0	5.6	0.8	0.0	0.0	0.0	0.8	2.85
	6	11.3	12.1	12.1	8.9	5.6	1.6	0.0	0.0	0.0	0.0	0.0	2.88
	7	8.0	9.7	9.7	8.0	5.6	0.0	0.0	0.0	0.0	0.0	0.0	3.22
	8	15.3	12.9	8.0	4.8	1.6	0.8	1.6	0.8	0.0	0.0	0.8	3.42
	9	13.7	11.3	11.3	7.2	2.4	0.0	0.0	0.0	0.0	0.0	0.0	3.25
	10	11.3	11.3	9.7	6.4	4.8	0.8	0.0	0.0	0.0	8.9	4.8	3.76
	11	12.9	12.9	11.3	5.6	0.8	1.6	0.0	0.0	0.0	0.0	0.0	3.28
	12	15.3	12.9	12.1	10.5	5.6	0.8	0.0	0.0	0.0	0.0	0.0	3.89
	13	8.0	8.9	5.6	4.0	3.2	4.0	0.0	0.0	0.0	1.6	8.9	2.51
	14	7.2	8.0	1.6	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.23
	15	8.9	9.7	7.2	7.2	6.4	4.0	3.2	0.8	0.8	1.6	1.6	3.44
	16	12.9	8.9	10.5	10.5	6.4	3.2	3.2	1.6	0.8	0.0	0.0	3.78
	17	12.1	10.5	8.9	4.0	4.0	0.8	0.8	2.4	0.8	2.4	1.6	3.35
	18	5.6	4.0	6.4	4.0	0.8	0.0	1.6	0.8	0.0	0.0	0.0	2.24
	19	8.0	8.0	5.6	7.2	0.8	0.0	0.0	0.0	0.0	0.0	0.0	1.77
	20	11.3	11.3	12.1	8.0	4.8	1.6	0.0	0.0	0.0	0.8	0.8	3.62
	21	9.7	10.5	5.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.45
	22	7.2	10.5	10.5	8.9	6.4	1.6	0.0	1.6	0.0	0.0	0.0	2.38
	23	13.7	13.7	9.7	3.2	0.8	0.0	0.0	0.0	0.0	0.0	0.0	2.75
	24	11.3	13.7	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.25
	25	11.3	13.7	11.3	10.5	7.2	2.4	0.0	0.0	0.0	0.0	5.6	4.36
	26	10.5	10.5	7.2	6.4	1.6	0.0	0.0	0.0	1.6	0.8	1.6	3.05
	27	14.5	15.3	12.1	9.7	7.2	1.6	0.0	0.0	0.0	0.0	9.7	4.20
	28	16.1	12.1	11.3	6.4	5.6	3.2	4.0	4.0	4.0	3.2	5.6	5.26
Hourly Means.	10.67	10.69	8.69	6.31	3.49	1.29	0.49	0.29	0.40	0.31	0.89	1.89	3.11

CLOUDS.

CLEAR = 0. — OVERCAST = 10.

Mean Batavia Time.	1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—	
FEBRUARY.	1	1	2	1	1	10	10	10	10	6	4	4	7	—
	2	10	10	10	10	10	10	6	10	10	10	10	10	—
	3	10	10	10	10	10	10	10	10	10	10	10	10	—
	4	9	9	9	10	9	9	9	7	8	6	6	6	—
	5	7	6	10	10	10	10	10	10	9	6	9	9	—
	6	5	3	5	4	8	5	10	8	9	10	10	10	—
	7	10	8	7	8	9	7	6	10	8	9	9	9	—
	8	2	1	8	8	8	8	9	7	8	6	7	8	—
	9	9	8	9	9	8	9	9	8	4	4	6	6	—
	10	3	1	1	1	2	7	8	7	9	8	8	7	—
	11	10	10	10	9	9	10	9	9	6	5	4	5	—
	12	8	6	5	5	5	7	7	6	5	10	8	7	—
	13	10	10	10	10	10	10	10	10	10	10	10	10	—
	14	10	10	10	10	8	10	10	10	9	9	9	9	—
	15	10	10	10	10	10	10	10	10	10	9	9	8	—
	16	5	4	6	4	4	4	9	9	7	10	10	10	—
	17	5	8	9	7	5	5	4	2	2	2	8	8	—
	18	9	9	8	8	5	4	4	3	4	7	5	6	—
	19	1	10	10	9	10	10	10	10	10	10	10	8	—
	20	9	10	10	10	10	10	10	10	9	9	9	9	—
	21	10	10	10	10	10	10	9	9	7	8	7	8	—
	22	8	10	10	8	8	10	6	10	6	9	10	10	—
	23	10	10	10	10	5	4	3	3	7	10	8	8	—
	24	8	9	10	10	10	10	10	10	10	9	9	9	—
	25	7	10	10	10	10	9	10	9	9	9	9	9	—
	26	10	10	10	10	10	10	10	9	9	9	10	8	—
	27	10	10	10	10	10	10	10	9	10	10	10	10	—
	28	10	10	10	10	10	10	10	10	10	10	10	7	—

Hourly Means.	7.7	8.0	8.5	8.3	8.3	8.5	8.7	8.4	7.9	8.3	8.3	8.3	—
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Mean Batavia Time.	1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.	
FEBRUARY.	1	10	9	9	7	8	6	5	3	6	10	10	10	6.6
	2	10	10	9	8	9	8	9	7	6	10	10	10	9.3
	3	10	9	10	10	6	5	10	10	10	10	10	10	9.6
	4	4	4	3	3	2	3	5	5	8	10	9	6	6.8
	5	8	6	5	5	7	10	5	6	9	8	5	7	7.8
	6	9	8	8	7	9	9	10	10	10	10	9	9	8.1
	7	9	8	7	9	9	8	9	9	10	7	8	3	8.2
	8	10	8	10	10	10	9	10	6	1	0	1	9	6.8
	9	4	3	3	4	6	7	9	10	10	10	9	7	7.1
	10	4	6	6	6	9	9	7	7	7	6	10	10	6.2
	11	8	8	9	9	9	10	10	10	10	10	10	10	8.7
	12	10	10	10	10	10	10	10	10	10	10	10	10	8.3
	13	9	10	10	10	10	10	10	10	10	10	10	10	10.0
	14	10	9	10	10	10	10	10	10	10	10	10	10	9.7
	15	6	6	6	5	8	7	4	2	3	4	4	4	7.3
	16	6	8	9	6	7	8	6	2	3	5	7	7	6.5
	17	7	6	10	9	10	10	10	10	10	9	9	9	7.3
	18	10	10	6	6	6	6	6	10	10	9	9	8	7.0
	19	9	9	8	7	9	9	5	4	5	9	7	8	8.2
	20	8	8	8	9	9	10	9	8	6	6	9	10	9.0
	21	8	7	9	9	8	9	9	7	8	7	5	5	8.3
	22	7	6	8	7	6	6	8	10	10	10	10	10	8.5
	23	8	4	8	10	10	10	10	10	10	10	10	9	8.2
	24	7	8	10	10	10	10	10	10	10	7	5	6	9.0
	25	10	10	10	10	9	10	10	10	7	10	6	10	9.3
	26	8	8	9	7	9	6	8	9	10	10	10	10	9.1
	27	10	9	9	8	8	6	7	5	5	8	9	10	8.9
	28	10	6	8	6	10	8	9	8	8	9	10	10	9.1

Hourly Means.	8.2	7.6	8.1	7.8	8.3	8.2	8.2	7.8	7.9	8.4	8.3	8.5	8.19
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BAROMETRIC PRESSURE.

BAROMETER AT 0°C = 750 MILLIMETRES + THE NUMBERS IN THE TABLE.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
M A R C H.	1	8.92	8.79	8.50	8.46	8.82	9.12	9.61	10.23	10.40	10.27	9.88	9.58	—
	2	9.36	9.01	8.82	8.58	8.61	8.98	9.63	10.25	10.50	10.35	10.14	9.67	—
	3	8.61	8.32	7.89	7.79	7.94	7.99	8.59	8.99	9.35	9.34	9.24	8.90	—
	4	8.21	7.94	7.92	7.55	7.56	7.97	8.41	8.98	9.59	9.37	9.02	8.74	—
	5	8.37	7.89	7.64	7.80	8.06	7.92	8.65	9.36	9.61	9.63	9.15	8.80	—
	6	8.60	8.10	8.07	8.18	8.53	8.72	9.04	9.94	10.40	10.40	10.00	9.21	—
	7	9.16	9.02	8.93	8.83	9.21	9.41	9.95	10.60	10.92	10.63	10.11	9.40	—
	8	9.23	8.95	8.44	8.31	8.82	8.98	9.23	9.70	9.91	10.59	10.16	9.73	—
	9	9.31	9.22	8.68	8.58	9.12	9.47	9.77	9.82	9.49	9.18	8.92	8.79	—
	10	8.55	8.01	7.41	7.31	8.03	8.09	8.32	8.99	9.21	9.10	9.02	8.62	—
	11	9.13	8.60	8.50	8.25	8.65	9.15	9.31	10.09	10.84	10.58	10.19	9.75	—
	12	10.02	9.71	9.48	9.29	9.64	10.30	10.60	11.17	11.55	11.30	10.95	10.40	—
	13	10.94	10.36	10.19	10.10	10.36	10.66	10.94	11.17	11.45	11.65	11.44	10.67	—
	14	10.79	10.64	10.39	10.34	10.02	9.87	10.95	11.79	11.81	11.96	11.96	11.35	—
	15	10.96	10.23	10.03	10.13	10.34	10.52	11.20	11.87	12.24	11.96	11.61	10.64	—
	16	10.83	10.05	9.66	9.30	9.84	10.00	10.34	10.81	10.98	11.00	10.55	9.95	—
	17	10.04	9.40	9.33	9.61	9.88	9.98	10.88	11.09	11.40	11.53	11.65	11.23	—
	18	11.51	11.26	10.96	10.74	10.99	11.14	11.20	11.59	11.90	12.19	11.74	11.10	—
	19	11.23	10.64	10.41	10.39	10.30	10.56	11.31	12.04	12.26	12.04	11.91	11.34	—
	20	11.30	10.66	10.28	9.99	10.20	10.48	10.95	11.38	11.85	12.00	11.38	10.57	—
	21	11.30	10.76	10.53	10.55	10.91	11.13	11.31	11.93	12.14	12.39	11.73	10.69	—
	22	10.30	10.01	9.83	9.60	9.87	10.39	11.20	11.56	11.88	11.77	11.30	10.67	—
	23	9.74	9.31	8.97	8.98	9.40	9.85	10.01	10.53	10.83	10.69	10.27	9.62	—
	24	8.59	8.11	7.84	7.86	8.10	8.48	8.90	9.50	9.85	10.03	9.69	9.21	—
	25	9.35	8.90	8.62	8.59	8.85	9.22	9.85	10.36	10.45	10.54	10.21	9.39	—
	26	9.32	8.96	8.77	8.70	9.07	9.51	9.76	10.02	10.33	10.04	9.64	9.17	—
	27	9.18	8.59	8.35	8.39	8.51	8.89	9.40	9.79	10.29	10.41	9.89	9.31	—
	28	9.77	9.02	8.86	9.07	8.87	9.07	9.70	10.18	10.54	10.74	10.26	9.69	—
	29	9.58	9.30	8.84	8.75	8.97	9.38	9.85	9.96	10.12	10.00	9.56	8.93	—
	30	9.38	9.12	9.11	8.74	8.86	9.27	9.53	9.54	9.68	10.02	9.63	9.82	—
	31	9.17	8.59	7.94	7.60	7.73	7.96	8.18	8.67	8.76	8.79	8.50	8.04	—
Hourly Means.		9.70	9.27	9.01	8.91	9.16	9.43	9.89	10.38	10.66	10.66	10.31	9.77	—
Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
M A R C H.	1	9.03	8.43	8.08	7.83	7.93	8.54	8.79	9.43	9.74	10.28	10.29	10.06	9.21
	2	8.86	8.50	7.93	7.48	7.80	8.20	8.55	9.14	9.69	9.82	9.79	9.32	9.12
	3	8.50	7.70	7.05	7.00	6.90	7.10	7.77	8.54	8.80	9.01	8.94	8.85	8.30
	4	8.10	7.62	7.15	7.05	7.05	7.26	7.89	8.41	8.94	9.58	9.69	9.12	8.30
	5	8.14	7.42	6.76	6.86	6.71	7.07	7.50	8.11	8.38	8.85	8.81	8.67	8.17
	6	8.66	8.25	7.75	7.70	7.64	8.10	8.92	9.23	9.86	10.01	9.85	9.46	8.94
	7	8.69	7.85	7.64	7.25	7.63	8.00	8.59	9.25	9.55	9.93	9.86	9.41	9.16
	8	8.88	8.02	7.59	7.41	7.71	8.45	8.86	9.37	10.14	9.91	10.09	9.88	9.10
	9	8.20	7.63	7.09	6.89	7.11	7.64	8.26	8.97	9.16	9.37	9.10	8.95	8.70
	10	7.89	7.16	6.76	6.91	7.32	7.97	8.76	9.13	9.78	10.29	10.20	9.80	8.44
	11	9.19	9.42	8.97	8.15	8.56	9.23	9.63	10.09	10.65	11.10	10.77	10.49	9.55
	12	9.95	9.45	9.20	9.40	9.27	9.86	10.67	11.04	11.49	11.74	11.74	11.62	10.41
	13	9.97	9.54	9.14	8.97	9.20	9.80	10.20	10.48	10.95	11.23	11.30	10.97	10.49
	14	10.43	9.70	9.20	9.04	9.07	9.59	10.21	10.89	11.50	12.01	11.86	11.41	10.70
	15	9.88	8.85	8.48	8.63	8.83	9.29	9.68	10.33	10.95	11.33	11.45	11.30	10.45
	16	9.49	8.73	8.38	8.52	8.55	8.69	8.91	10.13	10.78	11.14	11.19	10.90	9.95
	17	10.47	9.83	9.00	8.98	9.72	10.38	10.53	11.10	11.67	12.03	12.13	11.94	10.58
	18	11.02	10.58	10.37	9.78	9.74	10.49	11.00	11.50	11.86	12.15	12.16	11.69	11.19
	19	10.25	9.34	8.80	9.08	9.31	9.60	10.15	10.84	11.59	11.78	11.84	11.65	10.78
	20	9.70	8.73	8.58	8.37	9.04	10.02	10.67	10.82	11.12	11.64	11.70	11.48	10.54
	21	9.81	9.48	9.21	9.16	9.44	9.42	9.35	10.30	11.28	11.81	11.46	11.00	10.71
	22	9.88	9.08	8.53	8.46	8.68	9.04	9.57	9.92	10.12	10.50	10.44	10.23	10.12
	23	9.11	8.52	8.11	7.77	7.97	8.72	9.03	9.43	9.42	9.63	9.54	9.10	9.36
	24	8.42	7.63	7.01	7.16	7.44	8.39	8.73	9.26	10.08	10.68	10.55	10.09	8.82
	25	8.44	8.08	7.59	7.68	7.73	8.09	8.58	8.94	9.43	9.72	9.77	9.45	9.08
	26	8.44	7.93	7.31	6.92	7.66	8.22	8.48	9.14	9.76	10.02	10.07	9.72	9.04
	27	8.83	8.18	8.13	8.26	8.42	8.64	8.91	9.82	10.62	10.92	10.94	10.38	9.29
	28	9.21	8.42	7.77	7.93	8.39	8.58	9.36	9.74	10.13	10.33	10.40	9.97	9.42
	29	8.12	7.30	6.85	6.66	6.92	7.42	8.33	9.03	9.61	10.05	10.20	10.02	8.91
	30	9.60	8.43	7.80	7.64	7.85	8.31	8.43	8.70	9.37	9.59	9.77	9.33	9.06
	31	7.27	6.47	6.25	6.15	6.43	6.91	7.58	8.17	8.83	9.20	9.24	9.10	7.98
Hourly Means.		9.11	8.46	8.02	7.91	8.13	8.61	9.09	9.65	10.17	10.50	10.49	10.17	9.48

STANDARD THERMOMETER.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
M A R C H.	1	78.2	77.8	77.6	77.2	77.1	77.0	76.5	76.7	78.2	79.6	80.8	80.3	—
	2	75.4	75.2	75.0	74.5	74.0	73.4	74.0	77.0	78.0	79.0	80.0	81.1	—
	3	76.3	76.3	76.2	76.0	76.0	75.8	76.0	76.5	76.9	77.2	78.8	80.0	—
	4	75.8	75.2	73.8	73.6	73.4	73.6	74.5	75.0	75.5	76.9	78.2	78.5	—
	5	76.0	75.8	75.7	75.6	75.3	74.8	75.0	74.7	75.6	74.7	75.6	77.1	—
	6	74.0	73.3	73.0	73.5	74.0	74.0	73.2	72.9	72.9	72.6	73.9	75.7	—
	7	73.2	73.1	72.8	73.1	72.6	72.3	72.6	73.4	75.0	76.4	78.0	80.0	—
	8	74.7	73.5	73.0	72.8	72.6	72.6	73.1	73.4	75.5	73.2	74.1	75.5	—
	9	73.5	73.3	73.7	73.7	73.7	73.7	73.7	74.6	76.8	78.6	79.5	79.5	—
	10	74.4	74.6	74.1	73.4	73.1	72.9	73.1	74.9	79.1	80.9	78.0	79.6	—
	11	73.8	73.7	73.7	73.7	73.7	73.5	73.7	73.9	74.4	75.8	78.4	78.8	—
	12	73.5	73.3	73.2	73.2	72.9	72.9	73.5	75.0	78.0	80.0	77.0	78.2	—
	13	72.0	71.7	71.5	71.2	71.2	71.2	72.1	73.2	75.6	77.8	78.7	80.4	—
	14	73.8	73.2	73.2	73.4	73.2	73.0	73.1	73.3	75.5	77.6	75.5	75.3	—
	15	74.6	74.6	74.2	73.7	73.5	73.0	73.4	74.8	75.7	77.1	79.5	80.9	—
	16	74.5	74.0	73.8	73.8	73.4	72.8	73.0	75.0	78.0	79.9	81.9	83.4	—
	17	75.1	74.9	75.1	74.7	75.0	75.0	75.0	74.7	75.0	76.0	75.9	76.4	—
	18	74.7	74.0	74.0	74.0	73.9	74.0	74.2	75.2	77.6	79.0	80.8	82.5	—
	19	74.0	73.8	73.5	73.0	72.8	72.4	72.6	74.5	76.5	78.3	80.3	81.6	—
	20	76.4	76.0	76.0	75.5	75.3	74.9	75.1	76.3	79.4	79.0	81.0	82.0	—
	21	75.3	75.0	74.8	74.3	74.7	74.7	74.8	77.2	80.0	80.7	82.6	82.1	—
	22	74.2	73.6	73.2	72.9	72.7	72.3	73.0	75.7	79.0	81.4	83.0	84.0	—
	23	76.0	75.2	75.0	75.0	74.5	73.6	74.4	77.1	80.2	82.1	83.7	85.5	—
	24	76.1	75.4	74.9	74.5	73.8	73.3	73.6	76.0	79.3	82.2	82.6	84.1	—
	25	76.4	75.5	75.5	75.5	75.2	75.2	75.9	78.4	82.2	83.0	84.2	84.5	—
	26	76.7	76.2	76.1	76.0	75.7	75.7	76.8	79.5	82.8	84.0	85.7	86.8	—
	27	77.4	76.8	76.0	75.6	75.2	74.8	75.5	78.5	81.9	84.0	85.2	86.1	—
	28	74.5	74.5	74.2	74.0	74.0	74.0	75.3	77.7	80.2	82.1	82.7	84.1	—
	29	77.2	77.2	76.7	76.0	75.6	75.2	76.0	79.3	82.4	84.2	85.3	86.0	—
	30	77.5	76.8	76.3	76.1	75.9	75.1	75.7	78.9	81.9	84.0	85.7	79.6	—
	31	76.0	76.1	76.0	75.5	74.9	74.5	75.1	78.3	81.4	83.8	85.4	86.8	—
Hourly Means.		75.20	74.83	74.57	74.35	74.16	73.91	74.31	75.86	78.08	79.39	80.39	81.17	—
Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
M A R C H.	1	79.4	79.8	80.0	79.8	80.0	79.4	78.7	77.5	76.9	76.9	76.5	76.0	78.25
	2	82.4	82.0	81.7	81.4	80.9	80.2	79.3	78.6	78.0	77.5	77.1	76.4	78.00
	3	80.0	79.1	79.6	79.5	79.5	79.0	78.4	77.8	77.3	77.0	76.5	76.5	77.59
	4	79.4	79.8	80.1	79.9	79.7	79.0	78.5	77.7	77.1	76.8	76.4	76.0	76.85
	5	76.4	77.1	79.5	77.5	76.6	76.3	75.9	75.7	75.4	75.2	75.0	74.6	75.88
	6	77.5	76.5	76.5	77.3	77.5	77.0	76.5	75.9	75.6	74.6	73.5	73.2	74.78
	7	80.2	81.2	80.9	79.9	80.1	79.3	77.9	77.0	76.1	75.6	75.2	74.7	76.28
	8	78.0	79.2	80.0	80.0	80.0	79.0	78.0	77.6	74.8	74.3	73.8	73.7	75.52
	9	81.5	81.5	82.2	81.2	80.2	78.9	76.0	75.0	74.8	74.2	74.8	74.5	76.63
	10	80.2	80.2	80.3	80.2	78.8	75.3	75.2	75.0	75.0	74.0	74.0	74.2	76.27
	11	79.7	76.0	74.6	75.0	75.0	75.0	74.5	74.5	74.4	74.3	73.6	73.3	74.88
	12	75.3	74.5	75.0	72.4	73.8	73.9	73.4	73.4	73.4	73.8	73.6	73.4	74.44
	13	79.8	79.5	79.0	78.6	78.4	77.0	75.7	75.2	74.8	74.3	74.3	73.6	75.28
	14	76.5	77.3	79.0	77.5	77.0	76.2	75.5	75.1	75.0	75.0	75.1	74.9	75.20
	15	80.6	81.5	82.0	81.3	80.8	80.0	78.8	78.0	77.4	76.0	75.3	75.2	77.16
	16	83.0	83.2	82.0	80.8	81.0	80.2	79.1	78.6	77.0	76.5	75.6	75.0	77.73
	17	78.7	80.5	81.5	81.7	81.1	80.0	78.9	77.8	77.1	77.1	77.1	75.5	77.08
	18	80.0	78.0	76.1	77.0	77.5	77.0	76.7	76.3	75.8	75.4	74.9	74.5	76.38
	19	82.2	82.5	82.3	81.5	81.2	80.4	79.0	78.0	77.1	77.0	77.0	76.4	77.41
	20	81.5	83.2	81.6	81.5	80.6	80.0	77.6	76.8	76.4	76.2	76.1	75.7	78.09
	21	82.8	82.4	82.4	80.5	76.4	76.0	75.4	75.0	74.5	75.0	74.6	74.4	77.32
	22	84.5	84.5	84.2	83.4	83.2	82.0	80.2	79.1	78.6	77.9	77.2	76.6	78.60
	23	85.3	85.2	84.5	84.0	83.5	82.4	80.8	79.2	78.7	77.8	77.4	76.7	79.49
	24	84.3	85.0	81.6	84.2	83.2	82.1	81.3	79.0	77.5	77.7	77.0	76.1	79.08
	25	86.0	85.3	85.6	84.6	83.9	82.5	81.2	80.1	79.0	78.2	77.4	76.7	80.08
	26	85.8	85.8	85.7	84.9	84.2	83.0	81.6	81.0	80.3	79.5	78.9	78.0	80.86
	27	86.1	86.1	85.2	84.8	84.6	83.5	81.2	78.5	77.2	77.0	76.0	74.9	80.09
	28	82.5	82.7	83.2	83.0	83.2	82.0	79.0	79.0	78.5	78.1	77.6	77.6	78.90
	29	87.5	87.7	87.0	85.6	84.2	83.1	81.8	81.0	80.0	79.1	78.8	78.0	81.04
	30	76.8	78.0	80.6	80.1	79.8	79.4	78.2	77.5	77.0	76.8	76.4	76.2	78.35
	31	88.0	88.2	88.2	87.0	85.4	83.7	82.0	81.0	80.2	79.0	78.1	77.2	80.91
Hourly Means.		81.35	81.42	81.45	80.84	80.36	79.45	78.27	77.48	76.80	76.38	75.96	75.47	77.56

RELATIVE HUMIDITY OF THE AIR.

SATURATION = 1000.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	8	9	10	11	12	—	
M A R C H.	1	807	821	790	812	835	843	882	932	868	802	789	788	—
	2	931	931	931	913	930	929	930	883	884	756	781	740	—
	3	932	924	940	940	940	940	974	957	916	907	838	795	—
	4	923	931	947	947	947	947	956	947	931	891	845	846	—
	5	948	957	957	957	957	956	966	973	940	947	957	932	—
	6	956	965	973	965	973	982	973	964	964	964	965	905	—
	7	929	938	955	956	937	973	964	965	947	891	877	803	—
	8	939	921	920	920	937	946	938	965	931	965	991	948	—
	9	965	973	973	973	973	973	973	973	891	863	780	787	—
	10	897	904	921	911	920	937	946	939	847	805	893	809	—
	11	965	965	965	965	965	973	973	982	982	966	893	886	—
	12	982	982	965	965	973	973	973	957	893	833	932	869	—
	13	955	964	955	954	954	954	973	956	915	836	831	826	—
	14	973	955	965	973	973	973	965	956	915	860	922	922	—
	15	965	956	956	965	965	964	973	947	923	900	848	843	—
	16	939	939	947	938	946	946	946	880	853	825	758	705	—
	17	947	966	947	965	966	966	966	973	966	957	966	966	—
	18	956	973	965	965	973	965	982	974	933	902	812	738	—
	19	956	956	956	955	964	955	955	930	858	822	760	742	—
	20	948	948	957	966	966	966	974	948	848	854	790	778	—
	21	957	956	956	956	965	956	974	907	864	797	780	808	—
	22	947	956	956	955	955	964	964	906	816	757	698	694	—
	23	940	957	957	957	947	938	922	883	818	737	680	653	—
	24	940	940	947	930	938	946	929	873	809	709	703	701	—
	25	915	940	940	940	947	947	940	893	764	731	694	682	—
	26	866	890	881	889	898	898	907	824	723	661	636	671	—
	27	900	900	906	915	905	913	898	862	800	721	659	669	—
	28	922	922	930	930	930	938	948	836	767	743	745	687	—
	29	925	907	916	931	915	905	865	809	751	715	659	655	—
	30	925	932	940	940	931	939	898	778	700	628	616	832	—
	31	948	915	915	923	939	947	930	838	748	679	659	633	—
Hourly Means.		935	938	940	941	944	947	947	916	863	820	799	784	—

Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
M A R C H.	1	809	802	810	795	810	816	800	867	883	891	907	932	837
	2	688	708	713	748	775	803	839	869	893	917	916	924	847
	3	795	854	848	832	832	847	901	925	941	941	948	948	901
	4	832	824	803	817	848	870	901	917	949	949	957	957	903
	5	940	932	855	892	924	923	948	948	947	966	956	947	943
	6	892	924	940	907	917	932	940	948	957	965	956	938	949
	7	788	776	768	795	795	839	876	900	932	940	948	947	893
	8	837	832	810	818	841	854	885	917	922	939	938	947	911
	9	784	756	737	762	818	778	923	905	897	913	897	904	882
	10	796	803	804	811	863	922	957	966	966	965	965	973	897
	11	825	865	930	939	947	947	947	947	947	947	965	965	944
	12	931	956	974	937	930	965	965	965	973	956	973	965	949
	13	848	848	831	838	853	900	915	930	939	917	947	956	909
	14	874	829	823	867	900	906	931	947	947	947	957	956	927
	15	797	748	736	762	746	773	870	893	908	906	915	915	882
	16	746	704	809	789	835	825	878	885	900	924	948	939	866
	17	894	804	763	777	755	825	870	908	941	919	958	948	914
	18	810	876	940	907	907	916	932	918	948	957	956	956	925
	19	737	745	751	777	783	834	894	868	907	907	916	948	870
	20	763	747	806	806	826	833	868	900	924	932	923	940	884
	21	802	779	765	804	873	923	931	939	947	914	939	939	893
	22	709	702	688	705	704	764	856	878	902	908	925	932	843
	23	718	711	716	715	692	730	827	870	885	917	925	932	834
	24	702	697	709	721	725	764	791	815	875	884	900	915	828
	25	617	672	641	682	687	716	798	879	878	901	892	891	816
	26	674	641	654	670	694	752	806	813	849	886	902	893	791
	27	632	669	685	703	723	754	843	893	916	924	948	922	821
	28	779	787	781	753	718	764	870	878	885	885	908	917	843
	29	535	588	621	654	694	752	792	820	864	894	894	917	791
	30	924	876	835	856	848	870	901	933	941	924	948	940	869
	31	602	590	567	592	634	706	785	827	856	886	893	907	788
Hourly Means.		778	776	778	788	803	832	879	900	917	925	933	936	876

DIRECTION OF THE WIND.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12
MARCH.	1	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NW	NW	NNW	NNW
	2	C	C	C	C	C	C	C	C	NNW	WNW	NW	NNW
	3	C	C	C	C	C	C	N	N	WNW	NW	NW	NW
	4	C	NW	WNW	C	C	WNW	WNW	WNW	WNW	WNW	NW	NW
	5	C	C	C	C	C	C	WNW	NW	NW	NW	NW	NW
	6	C	C	C	C	WNW	WNW	WNW	NW	WNW	WNW	C	WNW
	7	C	NW	NW	C	C	C	C	C	C	NW	NW	NW
	8	NNW	C	C	C	C	C	C	C	NW	WNW	WNW	WNW
	9	WNW	NW	C	C	C	C	NW	C	NW	NW	NNW	NW
	10	C	NNW	NNW	C	C	C	C	NNW	NW	NW	NNW	NNW
	11	C	C	NW	C	NW	NW	NW	C	NW	NW	NW	NNW
	12	C	C	C	C	C	C	C	W	W	WNW	WNW	NW
	13	W	C	C	C	C	C	C	C	W	W	W	NW
	14	C	NNW	C	C	C	C	C	C	NNW	C	NW	NW
	15	C	C	C	C	C	C	C	C	NNW	NNW	NW	NNW
	16	C	C	C	C	C	C	C	C	NW	NW	NW	NW
	17	C	C	C	NW	NW	C	C	C	NW	C	C	C
	18	NE	NNE	N	C	C	C	N	N	N	N	N	N
	19	C	C	C	C	C	C	C	C	NNW	NNW	NNE	NNE
	20	C	C	C	C	C	C	C	C	NNW	NNW	NNW	NW
	21	C	C	C	C	WNW	C	C	WNW	WNW	WNW	N	N
	22	C	C	C	C	C	C	C	C	ENE	ENE	ENE	ENE
	23	C	C	C	C	C	C	C	N	NNE	NE	NE	NE
	24	C	C	C	C	C	C	C	C	C	NE	NE	NE
	25	C	C	C	C	C	C	C	NNW	N	NNE	NNE	NE
	26	C	C	C	C	C	C	C	N	E	ENE	ENE	NNE
	27	NNE	NNE	C	C	C	C	NNE	NNE	ENE	ENE	NE	NNE
	28	C	NE	NE	C	C	C	C	NE	NE	ENE	ENE	ENE
	29	C	C	C	C	C	C	E	ESE	ESE	E	E	ENE
	30	E	C	C	C	C	E	C	ESE	ESE	E	ENE	NNE
	31	C	NNE	C	C	C	NNE	NNE	E	ESE	ESE	ENE	ENE
Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12
MARCH.	1	NNW	NNW	NNW	NW	NNW	NNW	NNW	C	C	C	C	C
	2	NW	NNW	N	N	N	N	N	C	C	C	C	C
	3	NW	NW	NW	NW	NW	NW	C	C	C	C	C	C
	4	WNW	WNW	WNW	WNW	C	C	C	C	C	C	C	C
	5	NW	NW	NNW	WNW	C	C	C	C	C	C	C	C
	6	WNW	NW	NW	C	C	C	C	NW	C	C	C	C
	7	NW	NW	NW	NNW	NNW	NNW	C	C	C	C	C	C
	8	WNW	WNW	WNW	WNW	C	C	C	WNW	WNW	C	C	C
	9	NW	NNW	NNW	NNW	NNW	NNW	NNW	C	C	C	C	C
	10	NNW	NNW	NNW	NNW	NNW	C	C	C	NW	NW	C	NW
	11	NNW	W	W	C	C	C	C	C	C	C	C	C
	12	W	WSW	WSW	WSW	C	C	C	C	C	WSW	C	WSW
	13	NNW	NNW	NNW	NNW	NNW	NNW	C	C	C	C	C	C
	14	NW	NNW	NNW	NNW	NNW	NNW	C	C	C	C	C	C
	15	N	NNW	NNW	NNW	NW	NW	C	NW	C	C	C	C
	16	NNW	NNW	NW	NW	NW	C	C	NW	NW	C	C	C
	17	NW	NW	N	N	N	N	C	C	C	C	C	N
	18	WNW	NW	NW	NNW	C	C	C	C	C	C	C	C
	19	N	N	N	N	NNW	C	NNW	NNW	C	C	C	C
	20	NNW	NNW	N	N	NNW	NNW	WNW	C	C	C	C	C
	21	N	N	N	N	C	C	C	C	C	C	C	C
	22	NE	N	N	N	N	N	C	C	N	N	C	C
	23	NE	NNE	NNE	N	NE	NE	C	C	C	C	C	C
	24	N	NNE	N	N	NNW	NNW	C	NNW	NNW	C	C	C
	25	NE	NNE	N	N	N	N	C	C	C	N	N	N
	26	NNE	N	NNE	NNE	NNE	NNE	C	C	C	C	C	C
	27	NNE	N	NNE	NNE	NE	NNE	NNE	NNE	NE	NE	NE	NE
	28	NNE	NNE	NE	NE	ENE	ENE	E	C	C	C	C	C
	29	E	ENE	NE	NNE	NE	NNE	NE	C	C	C	C	C
	30	NE	NE	NNE	NNE	NNE	C	C	C	C	C	C	C
	31	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	C	C	C	C

VELOCITY OF THE WIND IN KILOMETERS PER HOUR.

Mean Batavia Time.		1 A.M.	2	3	4	5	6	7	8	9	10	11	12	—
M A R C H.	1	9.7	8.0	8.0	4.8	3.2	3.2	2.4	0.8	5.6	12.1	12.9	12.9	—
	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.8	8.9	11.3	12.9	—
	3	0.0	0.0	0.0	0.0	0.0	0.0	0.8	4.0	8.9	9.7	10.5	12.9	—
	4	0.0	3.2	0.8	0.0	0.0	1.6	3.2	2.4	4.8	12.1	12.9	9.7	—
	5	0.0	0.0	0.0	0.0	0.0	0.0	1.6	0.8	3.2	1.6	1.6	4.8	—
	6	0.0	0.0	0.0	0.0	1.6	3.2	0.8	3.2	3.2	0.8	0.0	1.6	—
	7	0.0	3.2	3.2	0.0	0.0	0.0	0.0	0.0	0.0	4.0	6.4	9.7	—
	8	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	4.0	1.6	3.2	—
	9	4.0	2.4	0.0	0.0	0.0	0.0	0.8	0.0	1.6	4.0	7.2	8.0	—
	10	0.0	0.8	0.8	0.0	0.0	0.0	0.0	1.6	4.0	6.4	6.4	12.1	—
	11	0.0	0.0	0.8	0.0	2.4	2.4	0.8	0.0	0.8	0.8	4.0	8.9	—
	12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	3.2	5.6	1.6	9.7	—
	13	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.6	3.2	7.2	—
	14	0.0	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.0	1.6	1.6	—
	15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	2.4	3.2	8.9	—
	16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	4.8	4.8	6.4	—
	17	0.0	0.0	0.0	0.8	0.8	0.0	0.0	0.0	0.8	0.0	0.0	0.0	—
	18	6.4	2.4	2.4	0.0	0.0	0.0	0.8	1.6	1.6	1.6	3.2	9.7	—
	19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	3.2	7.2	9.7	—
	20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	3.2	4.0	4.8	—
	21	0.0	0.0	0.0	0.0	0.8	0.0	0.0	1.6	2.4	3.2	4.8	7.2	—
	22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	4.0	5.6	5.6	—
	23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	4.0	5.6	7.2	6.4	—
	24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	5.6	8.0	—
	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	2.4	5.6	5.6	5.6	—
	26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	3.2	4.0	4.8	7.2	—
	27	0.8	0.8	0.0	0.0	0.0	0.0	0.8	0.8	4.8	8.0	7.2	12.9	—
	28	0.0	0.8	0.8	0.0	0.0	0.0	0.0	0.8	4.8	8.9	7.2	9.7	—
	29	0.0	0.0	0.0	0.0	0.0	0.0	0.8	5.6	11.3	13.7	15.3	15.3	—
	30	0.8	0.0	0.0	0.0	0.0	0.8	0.0	0.8	5.6	5.6	10.5	19.3	—
	31	0.0	1.6	0.0	0.0	0.0	0.8	3.2	8.0	15.3	16.9	16.9	16.1	—
Hourly Means.		0.78	0.77	0.54	0.18	0.28	0.39	0.52	1.19	3.47	5.36	6.27	8.65	—
Mean Batavia Time.		1 P.M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
M A R C H.	1	12.1	9.7	10.5	10.5	6.4	3.2	0.8	0.0	0.0	0.0	0.0	0.0	5.70
	2	12.9	11.3	12.9	8.9	6.4	2.4	0.8	0.0	0.0	0.0	0.0	0.0	3.90
	3	11.3	9.7	4.8	7.2	4.0	0.8	0.0	0.0	0.0	0.0	0.0	0.0	3.53
	4	5.6	6.4	4.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.85
	5	5.6	6.4	8.0	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.53
	6	3.2	0.8	0.8	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.83
	7	9.7	13.7	10.5	9.7	5.6	0.8	0.0	0.0	0.0	0.0	0.0	0.0	3.19
	8	5.6	4.8	3.2	1.6	0.0	0.0	0.0	1.6	3.2	0.0	0.0	0.0	1.37
	9	8.0	7.2	6.4	4.0	1.6	1.6	0.8	0.0	0.0	0.0	0.0	0.0	2.40
	10	8.9	6.4	5.6	1.6	2.4	0.0	0.0	0.0	1.6	0.8	0.0	1.6	2.54
	11	10.5	6.4	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.61
	12	4.8	0.8	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.8	0.0	3.2	1.40
	13	10.5	6.4	4.0	2.4	0.8	1.6	0.0	0.0	0.0	0.0	0.0	0.0	1.67
	14	1.6	1.6	4.8	0.8	0.8	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.67
	15	9.7	9.7	9.7	11.3	4.0	0.8	0.0	1.6	0.0	0.0	0.0	0.0	2.59
	16	10.5	10.5	8.0	1.6	0.8	0.0	0.0	0.8	0.8	0.0	0.0	0.0	2.11
	17	3.2	6.4	8.0	7.2	4.8	0.8	0.0	0.0	0.0	0.0	0.0	4.0	1.53
	18	12.9	10.5	4.8	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.51
	19	9.7	9.7	9.7	6.4	1.6	0.0	0.8	0.8	0.0	0.0	0.0	0.0	2.48
	20	6.4	8.0	9.7	8.9	3.2	1.6	0.8	0.0	0.0	0.0	0.0	0.0	2.18
	21	10.5	12.9	13.7	5.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.61
	22	8.9	9.7	8.9	7.2	6.4	0.8	0.0	0.0	0.8	0.8	0.0	0.0	2.51
	23	10.5	12.1	10.5	8.9	6.4	2.4	0.0	0.0	0.0	0.0	0.0	0.0	3.12
	24	10.5	12.1	9.7	8.0	4.8	0.8	0.0	0.8	0.8	0.0	0.0	0.0	2.71
	25	3.2	6.4	9.7	10.5	8.0	1.6	0.0	0.0	0.0	0.8	0.8	1.6	2.61
	26	12.9	14.5	15.3	16.1	8.0	1.6	0.0	0.0	0.0	0.0	0.0	0.0	3.75
	27	12.9	14.5	15.3	9.7	8.0	0.8	2.4	1.6	1.6	0.8	1.6	1.6	4.45
	28	8.9	7.2	8.0	9.7	7.2	1.6	1.6	0.0	0.0	0.0	0.0	0.0	3.22
	29	16.9	15.3	16.9	17.7	13.7	8.0	4.0	0.0	0.0	0.0	0.0	0.0	6.44
	30	4.0	3.2	8.9	7.2	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.88
	31	18.5	18.5	20.9	17.7	13.7	10.5	4.0	3.2	0.0	0.0	0.0	0.0	7.74
Hourly Means.		9.05	8.80	8.59	6.72	3.90	1.40	0.52	0.36	0.28	0.13	0.08	0.39	2.86

CLOUDS.

CLEAR = 0. — OVERCAST = 10.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
MARCH.	1	9	9	9	6	8	9	10	10	10	9	9	9	—
	2	5	9	6	9	5	6	7	9	8	8	8	7	—
	3	8	8	10	10	10	10	10	10	10	10	10	10	—
	4	7	10	10	10	10	10	10	10	10	10	10	10	—
	5	10	10	10	9	10	10	10	10	10	10	10	10	—
	6	2	7	9	10	10	10	10	10	10	10	10	10	—
	7	9	10	10	10	10	10	10	10	9	9	7	6	—
	8	10	10	8	9	8	9	10	10	10	10	10	10	—
	9	10	10	10	10	10	10	10	10	8	6	10	9	—
	10	9	9	6	7	7	9	10	7	7	7	10	9	—
	11	10	10	10	10	10	10	10	10	10	10	10	10	—
	12	7	4	7	2	2	2	7	7	5	9	10	10	—
	13	10	10	10	10	10	9	9	10	7	8	9	9	—
	14	10	10	10	10	10	10	10	9	10	10	10	10	—
	15	8	6	5	3	2	6	9	10	10	10	9	6	—
	16	2	2	3	3	3	5	2	3	4	4	6	8	—
	17	3	6	9	10	10	10	10	10	10	10	10	10	—
	18	10	10	10	10	10	10	6	4	4	5	6	7	—
	19	3	3	2	4	5	6	4	9	5	4	7	5	—
	20	7	10	9	4	2	7	10	9	9	10	9	10	—
	21	3	2	2	2	1	6	7	7	6	9	7	6	—
	22	4	3	3	6	8	6	5	3	3	5	5	5	—
	23	2	2	1	2	1	1	2	3	3	6	7	7	—
	24	2	3	3	4	3	3	1	3	3	6	6	4	—
	25	3	3	6	4	4	5	3	5	3	5	5	1	—
	26	6	7	5	5	7	10	2	2	2	2	3	4	—
	27	8	6	3	3	4	4	5	4	3	5	5	5	—
	28	10	10	8	8	7	6	4	3	3	2	6	6	—
	29	8	8	4	2	2	2	1	1	1	3	4	5	—
	30	1	3	4	4	2	1	1	1	2	3	5	9	—
	31	10	7	7	3	2	4	0	0	0	0	2	4	—
Hourly Means.		6.6	7.0	6.7	6.4	6.2	7.0	6.6	6.7	6.3	6.9	7.6	7.5	—
Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
MARCH.	1	10	10	10	10	9	10	10	10	10	10	7	6	9.1
	2	3	4	4	6	4	6	4	3	5	5	6	7	6.0
	3	10	9	7	8	8	9	10	6	7	4	9	9	8.8
	4	10	10	10	10	10	10	9	10	7	8	8	7	9.4
	5	10	7	10	10	10	10	7	5	7	2	1	1	8.3
	6	10	10	10	10	10	9	10	10	10	10	10	10	9.5
	7	9	8	7	7	3	7	4	3	3	4	3	3	7.1
	8	10	9	9	8	8	7	8	3	10	10	10	10	9.0
	9	8	9	7	8	9	10	10	10	10	9	7	6	9.0
	10	10	10	10	10	10	10	10	10	10	10	10	10	9.0
	11	10	10	10	10	10	10	10	10	10	7	6	5	9.5
	12	10	10	10	10	10	10	10	10	10	9	8	10	7.9
	13	9	9	9	9	9	9	10	9	3	4	5	6	8.4
	14	10	9	10	10	10	10	9	9	8	10	7	5	9.4
	15	8	6	5	4	3	2	3	8	3	1	0	0	5.3
	16	9	9	9	9	10	6	5	9	10	9	6	5	5.9
	17	9	8	4	7	6	5	3	3	8	9	10	10	7.9
	18	9	10	10	10	9	9	6	5	6	2	1	2	7.1
	19	6	8	7	7	4	3	7	7	6	5	3	2	5.1
	20	10	8	9	6	10	10	10	10	9	9	10	10	8.6
	21	9	7	9	10	10	10	10	10	10	10	6	6	6.9
	22	2	1	1	2	2	1	4	3	1	1	1	1	3.2
	23	6	5	5	4	2	2	0	2	3	2	4	4	3.3
	24	3	6	5	2	3	4	9	7	3	9	4	7	4.2
	25	5	6	6	3	2	2	6	4	3	3	4	7	4.1
	26	5	4	4	3	4	5	5	3	4	7	8	9	4.8
	27	9	9	8	8	8	6	9	10	10	10	10	10	6.8
	28	9	8	7	9	9	7	8	9	8	8	10	9	7.3
	29	6	7	4	2	2	3	3	5	5	2	3	4	3.6
	30	10	8	9	9	10	8	7	6	8	8	9	4	5.5
	31	3	3	2	1	2	1	1	0	0	0	0	1	2.2
Hourly Means.		8.0	7.6	7.3	7.2	7.0	6.9	7.0	6.7	6.7	6.4	6.0	6.0	6.85

BAROMETRIC PRESSURE.

BAROMETER AT 0°C = 750 MILLIMETRES + THE NUMBERS IN THE TABLE.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
A P R I L.	1	8.34	7.86	7.64	7.46	7.57	7.60	8.00	8.52	8.70	8.63	8.46	7.94	—
	2	7.91	7.55	7.56	7.47	7.60	7.92	8.22	8.42	8.49	8.80	8.38	7.93	—
	3	8.73	8.50	8.13	7.95	8.12	8.45	8.29	8.71	8.69	8.61	7.90	7.54	—
	4	8.11	7.92	7.62	7.50	7.61	7.88	8.28	8.41	8.69	8.71	8.52	8.28	—
	5	8.45	8.12	8.14	7.99	8.25	8.37	8.82	8.96	9.37	9.60	8.92	8.03	—
	6	8.25	7.70	7.91	7.52	7.76	8.03	8.61	9.20	9.63	9.27	8.91	8.56	—
	7	7.78	7.53	7.63	7.60	7.57	8.00	8.85	9.06	9.35	9.54	8.93	8.58	—
	8	8.84	8.66	8.38	8.11	7.96	8.66	9.08	9.07	9.01	9.18	8.88	8.27	—
	9	8.97	8.60	8.17	7.82	7.95	8.23	8.91	9.53	9.72	9.18	8.78	8.18	—
	10	8.20	7.82	7.60	7.62	7.86	8.85	9.39	9.98	9.94	10.08	9.43	8.67	—
	11	8.30	7.87	7.65	7.22	7.35	7.67	8.65	9.39	9.64	9.65	9.31	8.51	—
	12	8.97	8.48	8.38	8.16	8.25	8.45	8.65	8.91	8.97	8.84	8.33	7.53	—
	13	8.87	8.35	7.82	7.89	7.99	8.36	8.88	9.02	9.43	9.57	8.93	8.26	—
	14	8.76	8.62	8.06	7.98	8.28	8.85	9.36	10.08	10.16	10.13	9.64	9.24	—
	15	8.89	8.22	7.80	7.53	7.91	8.07	8.67	9.03	9.27	9.10	8.65	8.08	—
	16	8.71	8.02	8.01	7.57	7.43	7.90	8.86	9.08	9.55	9.68	8.93	8.02	—
	17	8.26	8.04	7.67	7.60	8.02	8.13	8.22	8.70	8.75	8.76	8.44	7.86	—
	18	8.79	8.16	7.94	7.85	8.06	8.42	8.81	8.97	9.33	9.25	9.21	8.93	—
	19	9.21	8.46	8.07	7.90	7.72	8.35	8.97	9.45	9.76	9.80	9.23	8.48	—
	20	8.84	8.35	8.21	8.10	8.27	8.65	8.95	9.54	9.60	9.58	8.93	8.19	—
	21	8.70	7.87	7.88	7.83	7.90	8.31	9.02	9.38	9.44	9.28	8.65	8.16	—
	22	7.95	7.89	7.70	7.57	7.80	8.31	8.37	8.69	8.77	8.64	8.28	7.43	—
	23	7.90	7.60	7.51	7.44	7.81	8.04	8.46	8.90	9.26	9.37	8.84	8.20	—
	24	9.22	8.49	8.21	8.07	8.27	8.88	9.36	9.66	9.69	9.39	9.11	8.52	—
	25	9.20	8.72	8.69	8.10	8.16	8.68	9.23	9.44	9.70	9.57	8.78	7.81	—
	26	8.69	8.17	7.56	7.32	7.40	8.01	9.07	9.25	9.54	9.63	9.01	8.50	—
	27	8.36	7.99	8.01	7.82	8.01	8.27	8.86	9.39	9.55	9.82	9.59	8.90	—
	28	9.11	8.52	7.99	8.03	8.15	8.42	8.93	9.23	9.54	9.68	9.25	8.62	—
	29	8.84	8.35	8.07	8.10	8.07	8.35	8.87	9.38	9.84	9.58	9.10	8.68	—
	30	8.64	8.12	7.77	7.45	7.52	7.85	8.38	8.77	9.05	9.27	9.04	8.48	—
Hourly Means.		8.59	8.15	7.93	7.75	7.89	8.27	8.77	9.14	9.35	9.34	8.88	8.28	—
Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
A P R I L.	1	7.18	6.47	5.92	5.67	6.20	6.71	7.18	7.74	8.55	8.99	8.93	8.58	7.70
	2	7.20	6.61	6.52	6.60	6.93	7.33	7.74	8.04	8.68	9.14	9.51	9.28	7.91
	3	6.92	6.52	5.72	6.24	6.94	7.67	7.85	8.36	8.75	8.82	8.89	8.65	7.96
	4	7.84	6.74	6.51	6.39	6.96	7.59	7.96	8.53	8.81	8.94	9.26	8.94	8.00
	5	7.31	6.83	6.44	6.68	7.40	7.79	7.96	8.32	9.11	9.69	9.45	9.25	8.30
	6	7.83	7.19	6.85	7.28	7.65	7.99	8.63	8.92	9.00	8.44	8.16	8.21	8.23
	7	8.30	7.46	6.82	7.03	6.95	7.44	8.16	8.96	9.40	9.72	9.89	9.55	8.34
	8	7.45	6.98	6.36	6.58	7.14	7.82	8.54	9.01	9.47	9.74	9.88	9.45	8.44
	9	7.42	6.61	6.51	6.42	6.48	6.74	7.31	8.07	8.30	8.76	8.84	8.53	8.08
	10	7.88	7.17	6.79	6.82	6.96	7.67	8.04	8.43	8.69	9.01	9.05	8.94	8.37
	11	7.76	6.93	6.48	6.41	7.13	8.31	8.97	9.64	9.94	10.00	9.84	9.34	8.42
	12	7.18	6.42	6.13	6.12	6.44	7.21	7.90	8.53	9.16	9.52	9.63	9.24	8.14
	13	7.64	6.61	5.99	5.98	6.52	7.16	8.39	8.88	9.63	10.02	9.78	9.45	8.31
	14	8.34	7.78	7.04	6.88	7.22	7.87	8.23	9.03	9.33	9.92	9.78	9.35	8.75
	15	7.31	6.43	5.72	5.58	6.17	7.26	7.87	8.66	9.01	9.55	9.78	9.55	8.09
	16	7.26	6.39	5.68	5.56	5.96	6.43	7.14	7.94	8.44	8.49	8.52	8.57	7.84
	17	7.73	7.07	6.37	6.87	7.08	7.79	8.64	9.14	9.39	9.30	9.33	9.00	8.17
	18	8.25	7.85	7.00	7.00	6.99	7.56	8.50	9.16	9.80	9.86	9.38	9.36	8.52
	19	7.93	7.60	6.87	6.90	7.43	7.73	7.89	8.43	8.89	8.91	9.04	8.85	8.41
	20	7.31	6.76	6.31	6.09	6.47	7.18	8.22	8.94	8.99	9.27	9.21	9.07	8.29
	21	7.62	6.84	6.43	6.44	6.68	7.03	7.49	8.13	8.53	8.73	8.85	8.38	8.07
	22	7.23	6.43	6.12	5.95	5.93	6.51	7.26	7.65	8.08	8.63	8.60	8.38	7.67
	23	7.43	6.71	6.17	6.41	6.93	7.46	8.59	9.51	10.50	10.20	10.10	9.78	8.30
	24	7.79	7.28	6.78	6.54	7.24	7.89	8.69	9.51	9.83	9.82	9.82	9.29	8.64
	25	7.03	6.42	5.88	6.26	6.41	7.09	8.02	8.50	8.91	9.35	9.14	9.44	8.27
	26	7.88	7.29	6.83	6.77	6.88	7.33	8.18	8.71	9.18	9.38	9.45	8.99	8.29
	27	8.57	8.02	7.44	7.51	7.64	8.08	8.64	9.15	9.63	9.95	9.89	9.75	8.70
	28	7.70	7.03	6.48	6.49	6.93	7.49	8.40	8.91	9.29	9.53	9.72	9.26	8.45
	29	7.98	7.32	6.67	6.37	6.59	7.07	7.34	7.92	8.30	8.53	8.61	8.55	8.19
	30	8.01	8.29	7.44	7.78	8.27	8.31	8.39	8.70	9.14	9.38	8.88	8.87	8.41
Hourly Means.		7.64	7.00	6.48	6.52	6.88	7.45	8.07	8.65	9.09	9.32	9.31	9.06	8.24

STANDARD THERMOMETER.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
A P R I L.	1	76.6	76.4	76.0	75.8	75.4	75.1	76.4	79.1	82.0	84.5	86.3	87.0	—
	2	77.0	76.7	76.5	76.0	75.7	76.0	76.6	79.2	81.9	84.8	86.4	87.6	—
	3	78.2	77.7	77.0	76.3	75.6	75.4	76.0	78.6	81.5	84.5	85.5	86.1	—
	4	74.7	74.7	74.3	74.0	73.8	73.4	73.6	75.0	77.9	81.8	84.3	78.3	—
	5	75.8	75.6	75.3	74.8	74.6	74.2	74.4	76.8	80.3	82.0	82.8	83.7	—
	6	75.7	75.5	75.1	74.7	74.0	73.8	74.4	76.0	77.5	80.0	82.0	81.8	—
	7	75.0	74.5	74.1	74.0	73.6	73.3	73.7	76.4	79.7	81.4	84.2	79.2	—
	8	76.0	75.4	75.2	75.2	74.9	74.7	75.1	78.5	80.6	82.0	83.5	84.3	—
	9	76.6	76.2	76.6	75.8	75.0	74.7	75.7	79.6	82.3	84.7	85.8	87.2	—
	10	77.2	76.3	76.0	75.5	74.9	74.2	75.0	76.8	79.2	80.0	82.5	84.0	—
	11	76.0	75.4	75.1	74.7	74.4	73.8	74.7	77.6	81.0	82.0	85.0	85.0	—
	12	74.5	74.3	74.3	74.0	73.3	72.7	73.3	76.6	80.1	83.3	85.4	86.4	—
	13	76.2	75.6	75.4	75.0	74.9	74.6	75.6	79.1	81.6	83.1	85.5	84.8	—
	14	75.5	75.0	74.6	74.4	74.0	74.0	74.6	76.0	78.3	81.3	81.7	76.8	—
	15	75.6	75.0	74.6	74.2	73.9	73.7	74.0	76.0	79.6	82.2	84.0	86.0	—
	16	74.2	74.2	74.4	74.1	74.0	74.2	74.7	76.6	79.5	81.7	82.4	84.2	—
	17	76.1	75.5	75.3	75.0	74.6	74.0	74.6	77.8	81.6	84.4	85.7	87.2	—
	18	77.0	76.7	76.1	75.9	75.5	75.3	75.6	79.2	82.0	84.3	79.1	76.2	—
	19	74.9	74.7	74.4	73.9	73.5	73.0	73.2	75.0	78.4	81.6	83.6	85.0	—
	20	75.5	75.0	74.4	73.9	73.4	73.2	74.0	76.8	80.5	83.0	84.8	84.6	—
	21	74.6	74.8	74.4	74.0	73.7	73.5	74.0	77.0	80.2	82.8	85.1	85.8	—
	22	77.0	76.4	76.0	76.0	75.3	75.0	75.5	78.5	81.8	82.8	85.3	86.4	—
	23	77.6	77.1	76.5	76.1	75.6	75.1	75.6	76.6	79.1	81.6	84.0	85.3	—
	24	75.2	74.7	74.9	74.5	74.0	73.8	74.0	75.8	79.7	82.8	84.1	85.2	—
	25	75.0	74.4	74.8	74.2	74.0	73.8	74.4	77.4	80.8	83.5	84.7	86.0	—
	26	75.0	74.3	74.0	73.7	74.0	74.0	74.3	75.2	77.4	79.5	81.0	82.4	—
	27	76.5	76.4	76.0	75.7	75.7	75.5	76.2	77.5	79.0	81.5	82.3	83.5	—
	28	76.1	75.6	75.0	74.7	74.3	73.9	74.5	76.3	80.6	82.1	83.6	84.5	—
	29	76.0	75.7	75.0	74.7	74.1	73.7	74.0	76.7	79.7	83.2	85.0	86.9	—
	30	76.9	76.2	75.6	75.0	74.7	74.3	74.7	77.5	80.7	82.5	83.4	84.0	—
Hourly Means.		75.94	75.53	75.23	74.86	74.48	74.20	74.75	77.17	80.15	82.50	83.97	84.18	—
Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
A P R I L.	1	88.2	88.8	88.2	87.2	85.6	83.9	82.2	81.3	80.0	79.4	78.4	77.6	81.31
	2	88.2	89.0	88.2	87.2	86.1	84.1	83.0	82.0	80.6	79.8	79.2	79.0	81.70
	3	86.8	86.2	85.6	84.1	81.5	76.4	76.1	75.8	75.2	75.1	75.0	74.9	79.38
	4	76.0	78.3	79.0	80.3	80.0	79.5	79.2	78.0	77.4	76.7	76.6	76.1	77.20
	5	82.5	82.4	80.6	80.6	80.1	78.9	78.0	77.2	76.6	76.5	76.4	76.0	78.17
	6	82.2	82.5	80.8	80.3	80.0	79.5	78.8	76.6	76.2	75.5	75.2	75.2	77.64
	7	77.0	77.2	79.2	79.0	78.5	78.2	77.6	77.4	77.4	77.2	76.8	76.4	77.13
	8	85.6	85.0	85.2	83.7	81.6	80.0	79.5	79.2	78.3	78.0	77.6	77.3	79.43
	9	87.2	88.3	87.3	86.0	85.5	83.6	82.2	81.2	80.0	79.2	78.2	77.8	81.11
	10	85.4	85.2	84.0	83.7	83.1	82.0	80.6	80.2	79.2	78.3	77.5	76.9	79.49
	11	85.3	85.3	85.0	84.3	83.6	80.2	77.8	76.0	75.6	75.0	75.0	74.6	78.85
	12	86.0	86.0	85.2	84.3	83.0	82.2	81.5	80.7	78.4	77.6	77.1	76.7	79.45
	13	82.3	85.2	85.4	84.0	83.6	82.8	82.0	80.8	77.8	76.8	76.3	75.9	79.76
	14	78.5	82.0	84.0	81.9	81.0	80.5	78.3	78.1	78.0	77.2	76.6	76.0	77.85
	15	87.1	87.1	85.6	85.3	84.1	80.7	77.6	75.2	75.5	75.7	75.8	74.5	78.88
	16	83.9	84.9	84.9	84.9	83.9	82.0	80.5	79.5	78.8	78.0	77.2	76.3	79.13
	17	81.5	84.2	85.0	81.2	84.0	83.0	82.0	81.2	80.0	78.6	78.1	77.6	80.05
	18	77.7	78.6	80.4	79.1	77.0	76.4	75.8	75.7	75.8	75.7	75.1	75.2	77.31
	19	84.0	83.6	81.5	81.6	81.2	79.5	78.7	77.6	77.1	76.7	76.3	75.6	78.11
	20	84.4	84.4	84.6	84.3	83.3	82.3	80.7	78.6	77.5	76.6	75.8	75.2	79.03
	21	86.5	86.0	85.6	85.0	84.0	82.7	81.6	80.3	79.6	78.6	78.1	77.5	79.81
	22	85.4	85.9	85.8	85.0	84.0	83.0	82.0	81.2	80.4	79.4	78.7	78.5	80.64
	23	84.7	85.0	84.1	85.0	83.5	82.6	81.5	79.4	76.2	75.3	75.2	75.2	79.50
	24	86.2	84.2	85.0	85.3	84.2	83.0	79.6	77.2	76.3	76.5	76.0	75.2	79.06
	25	86.3	85.0	85.7	84.7	83.9	82.4	80.6	79.6	78.0	76.0	75.6	75.3	79.42
	26	83.0	83.3	82.3	81.5	81.3	80.5	79.7	79.3	78.8	78.4	77.5	77.3	78.24
	27	81.7	83.8	82.5	82.0	81.7	80.4	79.0	78.5	78.3	77.2	76.7	76.5	78.92
	28	86.3	86.7	85.5	84.7	82.6	82.1	80.0	79.0	78.2	77.4	77.0	76.4	79.46
	29	85.6	85.6	85.5	81.9	84.2	83.1	81.8	81.5	80.3	79.4	78.7	77.7	80.13
	30	84.4	79.4	76.4	76.4	76.4	76.2	75.5	75.4	75.5	75.5	75.7	75.7	77.42
Hourly Means.		84.00	84.30	83.94	83.35	82.42	81.06	79.78	78.79	77.90	77.24	76.78	76.34	79.12

RELATIVE HUMIDITY OF THE AIR.

SATURATION = 1000.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
A P R I L.	1	924	906	865	832	848	888	850	779	750	723	677	672	—
	2	907	916	924	932	940	915	916	870	822	744	690	643	—
	3	926	933	932	940	931	931	906	862	806	708	672	675	—
	4	956	947	917	917	938	946	917	939	893	792	778	877	—
	5	957	957	966	974	965	965	973	948	849	772	774	727	—
	6	948	957	966	956	947	947	930	881	852	788	737	715	—
	7	930	947	956	965	947	946	947	874	809	799	756	801	—
	8	957	957	957	948	966	965	957	893	820	786	740	750	—
	9	924	923	899	923	939	939	915	840	772	716	693	665	—
	10	925	940	923	923	913	930	922	924	878	856	780	721	—
	11	932	914	914	922	939	938	922	892	835	750	690	684	—
	12	921	921	921	938	929	937	911	874	796	713	609	601	—
	13	899	905	923	930	930	930	905	863	799	753	673	690	—
	14	898	871	888	904	921	921	913	865	799	762	749	907	—
	15	931	930	930	939	947	947	938	890	817	758	694	656	—
	16	956	947	947	956	956	956	956	924	855	777	779	694	—
	17	923	940	948	957	956	965	930	852	749	688	667	641	—
	18	900	916	923	923	940	940	931	794	744	708	808	923	—
	19	966	956	956	956	956	964	965	939	838	807	755	711	—
	20	948	957	947	938	938	946	938	907	819	781	703	717	—
	21	913	922	930	947	938	947	939	883	804	760	614	617	—
	22	932	940	948	948	940	947	940	902	807	781	691	651	—
	23	925	916	932	923	923	930	905	899	863	771	714	691	—
	24	948	956	947	956	965	956	965	923	817	752	722	698	—
	25	930	939	939	939	947	947	939	867	843	769	730	675	—
	26	939	930	938	947	947	947	956	939	883	870	790	765	—
	27	924	924	923	931	940	940	940	875	823	771	765	719	—
	28	940	940	947	947	947	947	930	874	768	744	720	702	—
	29	940	948	939	930	930	929	912	851	810	733	704	671	—
	30	940	940	931	930	922	930	930	884	805	766	748	721	—
Hourly Means.		932	933	934	937	938	941	931	884	818	763	721	713	—
Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
A P R I L.	1	615	617	615	586	654	727	800	836	864	870	893	917	780
	2	627	634	621	654	662	735	788	837	872	895	918	918	808
	3	684	714	739	777	712	899	923	906	931	939	939	947	847
	4	923	868	918	864	895	918	926	893	941	957	949	957	913
	5	794	751	849	835	895	878	908	907	916	916	924	931	889
	6	765	766	805	818	818	855	878	866	882	905	931	931	869
	7	907	900	863	863	885	908	950	949	941	949	949	948	904
	8	727	731	725	734	784	825	847	863	885	901	917	907	856
	9	666	627	629	630	634	705	793	836	879	918	918	925	805
	10	719	705	728	734	760	785	835	856	909	918	942	925	852
	11	666	678	690	701	726	744	805	833	856	897	905	913	823
	12	655	662	691	722	753	778	821	850	837	852	851	866	809
	13	773	671	732	741	761	759	822	857	820	850	882	906	824
	14	901	786	714	792	820	826	901	926	918	925	932	940	866
	15	635	629	706	678	700	774	805	888	880	915	906	913	825
	16	714	697	710	690	735	778	797	855	870	893	907	924	845
	17	820	715	717	736	742	767	822	865	864	831	868	867	826
	18	917	902	864	918	924	924	940	940	940	940	966	966	900
	19	756	748	865	858	873	927	878	908	932	932	948	957	890
	20	743	716	744	729	775	823	857	862	867	883	906	905	848
	21	677	681	680	697	727	787	821	864	886	918	917	925	825
	22	718	706	673	697	735	788	822	858	880	909	909	909	835
	23	737	658	654	670	748	787	821	823	932	940	939	939	835
	24	670	742	724	718	756	795	832	851	982	891	873	914	844
	25	695	724	706	723	761	808	835	886	926	940	957	983	850
	26	747	719	744	749	791	804	855	863	878	893	908	907	863
	27	749	713	737	757	784	811	863	885	901	925	940	932	853
	28	676	658	692	743	838	859	903	909	893	908	916	932	847
	29	693	699	692	731	736	781	852	858	895	926	926	917	833
	30	716	855	890	923	940	940	948	957	948	948	948	957	892
Hourly Means.		736	722	737	749	777	817	855	876	894	909	919	926	849

DIRECTION OF THE WIND.

Mean Batavia Time.	1 A. M.	2	3	4	5	6	7	8	9	10	11	12	
APRIL.	1	C	ENE	E	E	E	E	ESE	ESE	E	ESE	ENE	E
	2	C	C	C	C	C	C	ENE	ENE	ESE	ENE	E	E
	3	C	C	C	C	C	C	C	C	E	E	S	NNE
	4	C	C	C	C	C	C	SSE	C	C	ENE	NNE	NNE
	5	C	C	C	C	C	C	C	C	NE	NE	NE	N
	6	C	C	C	C	C	C	C	C	C	C	NNE	NNW
	7	C	C	C	C	C	C	C	S	ESE	E	S	NE
	8	C	C	C	C	C	C	ENE	SE	ESE	E	E	E
	9	C	E	E	C	C	C	C	SE	E	E	ESE	ESE
	10	C	C	C	C	C	C	ESE	C	C	C	ENE	ENE
	11	C	C	C	C	C	C	C	C	NE	NE	ESE	NE
	12	C	C	C	C	C	C	C	C	W	S	E	E
	13	C	C	C	C	C	C	C	C	SSE	ESE	E	N
	14	SSE	SSE	C	C	C	C	C	C	SSE	ESE	E	E
	15	C	C	C	C	C	C	C	C	NE	E	E	E
	16	SW	C	C	C	C	C	SSW	SSW	ESE	ENE	ESE	SE
	17	C	C	C	C	C	C	C	E	ESE	E	E	E
	18	ESE	C	C	C	C	C	ESE	SE	SE	E	NE	NE
	19	C	C	C	C	C	C	C	C	C	E	ENE	ENE
	20	C	C	C	C	C	C	C	C	SE	ESE	E	NE
	21	C	C	C	C	C	C	C	C	C	S	E	ENE
	22	C	C	C	C	C	C	C	C	E	E	E	ENE
	23	C	C	C	C	C	C	C	C	ENE	E	ESE	ESE
	24	C	C	C	C	C	C	C	C	SE	ESE	ENE	ENE
	25	C	C	C	C	C	C	C	SSW	ESE	E	ENE	ENE
	26	SSE	SE	ESE	C	C	ESE	ESE	SE	SE	ESE	E	E
	27	C	C	C	C	C	C	C	C	E	ESE	E	ENE
	28	C	C	C	C	C	C	C	SE	SE	SE	E	ESE
	29	C	C	C	C	C	C	C	C	ENE	ESE	ESE	ESE
	30	C	C	C	C	C	C	C	C	ENE	E	ENE	ENE

Mean Batavia Time.	1 P. M.	2	3	4	5	6	7	8	9	10	11	12
APRIL.	1	ENE	ENE	E	ENE	ENE	ENE	ENE	ENE	C	C	C
	2	ENE	NE	E	ENE	ENE	ENE	ENE	C	C	C	C
	3	N	NNE	NNE	NNW	W	SSE	SSE	C	C	C	C
	4	NE	NNE	NNE	NNE	C	C	NNE	C	C	C	C
	5	NNE	NNE	C	C	NNE	C	NNE	C	C	C	C
	6	N	N	NNE	N	N	C	SE	S	C	C	C
	7	ESE	ESE	ESE	ENE	C	C	C	C	C	C	C
	8	E	E	E	E	ENE	E	E	E	C	C	E
	9	E	ESE	ENE	E	E	ESE	ESE	C	C	C	C
	10	ENE	NE	NE	NNE	NE	NE	C	C	C	C	C
	11	NE	NE	NNE	NNE	NNE	W	W	W	C	C	C
	12	NNE	NE	NE	NE	NE	NE	C	NE	SSE	C	C
	13	ENE	NE	ENE	ENE	ENE	ENE	ENE	SE	SSE	SSE	SSE
	14	ENE	ENE	ENE	NE	NE	NE	C	C	C	C	C
	15	E	E	ENE	E	E	E	SW	W	W	WSW	SW
	16	SE	ESE	ESE	E	E	E	E	E	C	C	C
	17	NE	NNE	NE	NE	ENE	ENE	ENE	ENE	ESE	ESE	ESE
	18	ENE	ENE	ENE	ENE	ESE	SE	C	C	C	C	C
	19	NNE	NE	E	C	ESE	SE	C	C	C	C	C
	20	NE	NE	NE	NE	NE	NE	NE	SSE	C	S	S
	21	ENE	NE	NE	NE	NE	NE	C	C	C	C	C
	22	NE	NE	NNE	NE	NE	ENE	ENE	C	C	C	ENE
	23	ENE	ENE	ENE	ENE	NE	C	C	NE	SE	SE	C
	24	ENE	ENE	NE	NE	ENE	ENE	ENE	SSW	SSW	SSW	C
	25	E	NE	NE	NE	NE	C	C	C	NE	C	NNE
	26	ENE	ENE	NE	NE	ENE	ENE	E	E	C	C	C
	27	E	ESE	SSE	SE	ESE	C	C	C	C	C	C
	28	E	ENE	E	NE	ENE	C	C	C	C	C	C
	29	E	E	E	E	E	C	C	C	C	C	C
	30	E	E	E	C	C	C	SE	SE	C	SE	C

VELOCITY OF THE WIND IN KILOMETERS PER HOUR.

Mean Batavia Time.		1 A.M.	2	3	4	5	6	7	8	9	10	11	12	—
A P R I L .	1	0.0	0.8	1.6	2.4	1.6	1.6	4.0	6.4	13.7	12.9	14.5	14.5	—
	2	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.6	8.0	12.9	15.3	14.5	—
	3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.6	1.6	9.7	—
	4	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.0	0.0	3.2	8.0	13.7	—
	5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	4.0	5.6	10.5	—
	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	8.0	—
	7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	4.8	5.6	8.9	11.3	—
	8	0.0	0.0	0.0	0.0	0.0	0.0	0.8	3.2	6.4	11.3	18.5	16.1	—
	9	0.0	0.8	1.6	0.0	0.0	0.0	0.0	5.6	10.5	12.9	14.5	13.7	—
	10	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	2.4	6.4	—
	11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	3.2	5.6	7.2	—
	12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	3.2	5.6	8.0	—
	13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	2.4	5.6	8.0	13.7	—
	14	1.6	0.8	0.0	0.0	0.0	0.0	0.0	0.0	1.6	8.0	11.3	4.0	—
	15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	8.9	12.1	13.7	—
	16	0.8	0.0	0.0	0.0	0.0	0.0	0.8	0.8	8.0	14.5	16.1	16.1	—
	17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	8.9	13.7	13.7	12.9	—
	18	1.6	0.0	0.0	0.0	0.0	0.0	1.6	4.8	9.7	11.3	13.7	4.0	—
	19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.8	7.2	10.5	—
	20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	3.2	7.2	11.3	—
	21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	6.4	9.7	—
	22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	5.6	8.0	8.9	—
	23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.6	4.8	4.8	—
	24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	6.4	11.3	12.1	—
	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	3.2	6.4	8.0	10.5	—
	26	5.6	5.6	0.8	0.0	0.0	0.8	2.4	4.8	4.8	7.2	11.3	10.5	—
	27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	4.8	4.0	12.1	—
	28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	3.2	7.2	7.2	7.2	—
	29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	4.8	6.4	9.7	—
	30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	7.2	4.8	3.2	—
Hourly Means.		0.32	0.27	0.13	0.08	0.05	0.08	0.40	1.12	3.32	6.45	8.79	10.28	—
Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
A P R I L .	1	17.7	16.1	15.3	18.5	15.3	8.9	6.4	1.6	0.8	0.0	0.0	0.0	7.28
	2	11.3	15.3	16.9	12.9	11.3	5.6	1.6	0.8	0.0	0.0	0.0	0.0	5.37
	3	12.9	15.3	11.3	4.8	5.6	4.0	0.8	0.0	0.0	0.0	0.0	0.0	2.85
	4	6.4	5.6	0.8	0.8	0.0	0.0	0.8	0.0	0.8	0.0	0.0	0.0	1.70
	5	4.8	4.0	0.0	0.0	1.6	0.0	0.8	0.8	0.8	0.0	0.0	0.0	1.44
	6	10.5	13.7	13.7	8.0	2.4	0.0	4.8	3.2	0.0	0.0	0.0	0.0	2.75
	7	1.6	1.6	1.6	5.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.78
	8	17.7	19.3	18.5	19.3	20.1	10.5	4.0	1.6	0.0	0.0	1.6	0.8	7.07
	9	16.9	16.1	16.1	16.1	12.9	5.6	1.6	0.0	0.0	0.0	0.0	0.0	6.04
	10	8.9	10.5	8.0	8.0	4.8	1.6	0.0	0.0	0.0	0.0	0.0	0.0	2.14
	11	12.1	12.1	11.3	11.3	6.4	3.2	0.8	1.6	0.0	0.0	0.0	0.0	3.15
	12	10.5	11.3	12.9	11.3	7.2	1.6	0.0	1.6	0.8	0.0	0.0	0.0	3.12
	13	12.9	13.7	11.3	8.9	8.0	4.0	0.8	4.0	3.2	3.2	1.6	1.6	4.32
	14	5.6	11.3	6.4	9.7	4.0	1.6	0.0	0.0	0.0	0.0	0.0	0.0	2.75
	15	14.5	17.7	17.7	16.1	11.3	4.0	3.2	1.6	1.6	2.4	4.0	3.2	5.57
	16	10.5	11.3	10.5	12.1	10.5	8.9	4.8	1.6	0.0	0.0	0.0	0.0	5.30
	17	9.7	10.5	13.7	15.3	12.1	4.8	0.8	1.6	1.6	0.8	0.8	1.6	5.17
	18	1.6	1.6	1.6	0.8	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0	2.25
	19	12.9	9.7	4.8	0.0	1.6	0.8	0.0	0.0	0.0	0.0	0.0	0.0	2.18
	20	14.5	14.5	12.1	13.7	8.0	0.8	1.6	4.8	0.0	0.8	1.6	0.0	3.99
	21	12.9	11.3	11.3	8.9	5.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0	2.89
	22	11.3	13.7	13.7	12.9	9.7	4.8	0.8	0.0	0.0	0.0	0.8	0.0	3.79
	23	12.1	8.0	4.0	4.8	4.8	0.0	0.0	4.0	3.2	0.8	0.0	0.0	2.24
	24	9.7	12.9	10.5	16.9	9.7	1.6	3.2	1.6	4.0	1.6	0.0	0.0	4.26
	25	10.5	9.7	12.9	13.7	8.0	0.0	0.0	0.0	1.6	0.0	0.8	4.8	3.82
	26	8.9	8.9	8.9	8.9	8.0	3.2	1.6	0.8	0.0	0.0	0.0	0.0	4.29
	27	13.7	9.7	8.9	5.6	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.65
	28	7.2	8.9	7.2	7.2	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.47
	29	12.1	8.9	8.0	8.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.61
	30	6.4	9.7	0.8	0.0	0.0	0.0	0.8	0.8	0.0	0.8	0.0	0.0	1.54
Hourly Means.		10.61	11.10	9.69	9.34	6.67	2.60	1.31	1.07	0.61	0.35	0.37	0.40	3.56

CLOUDS.

CLEAR = 0. — OVERCAST = 10.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
APRIL.	1	2	4	6	8	8	4	6	3	3	4	5	6	—
	2	9	9	9	9	8	6	4	2	2	6	7	7	—
	3	9	8	6	5	6	5	2	1	0	1	7	5	—
	4	8	8	8	6	5	4	9	10	6	6	7	10	—
	5	7	6	7	4	2	2	4	3	4	5	7	6	—
	6	7	8	6	4	4	2	7	8	8	7	7	7	—
	7	10	9	8	8	6	6	2	4	6	6	7	10	—
	8	3	1	1	3	4	4	2	1	3	8	6	4	—
	9	3	3	2	2	4	4	4	4	3	4	5	5	—
	10	3	3	5	5	6	6	8	8	8	9	9	7	—
	11	6	5	3	3	2	1	3	3	5	5	5	7	—
	12	4	3	5	4	3	4	3	5	4	6	6	7	—
	13	5	5	4	2	2	2	1	2	7	6	4	8	—
	14	6	5	4	4	3	7	9	9	9	10	10	10	—
	15	7	5	3	5	4	6	2	0	0	2	1	4	—
	16	10	10	10	10	10	6	9	7	5	7	7	8	—
	17	3	2	5	6	4	6	1	2	2	4	6	6	—
	18	6	6	5	4	5	7	2	1	2	5	10	10	—
	19	7	5	4	4	3	5	2	3	8	3	3	3	—
	20	5	3	2	2	2	4	1	0	0	6	4	5	—
	21	4	6	8	3	3	1	3	5	5	6	3	5	—
	22	5	4	6	4	5	6	2	1	4	6	7	7	—
	23	2	1	2	3	2	3	2	8	5	7	5	8	—
	24	10	5	6	5	5	5	4	1	1	2	4	5	—
	25	3	2	3	1	2	3	1	0	0	5	6	8	—
	26	10	10	10	10	10	8	9	8	6	5	5	5	—
	27	10	10	10	10	10	10	6	4	4	6	7	7	—
	28	2	3	3	2	1	3	4	3	5	9	7	7	—
	29	8	6	8	7	5	5	3	3	4	4	6	7	—
	30	5	3	3	2	2	4	3	2	2	5	9	9	—
Hourly Means.		6.0	5.3	5.4	4.8	4.5	4.6	3.9	3.7	4.0	5.5	6.1	6.8	—
Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
APRIL	1	5	5	4	4	5	5	6	5	7	9	9	9	5.5
	2	5	5	8	7	9	6	6	7	8	9	9	8	6.9
	3	6	6	7	4	6	10	10	10	10	10	10	9	6.4
	4	9	9	10	10	10	10	9	6	6	5	8	8	7.8
	5	10	10	10	10	10	10	10	10	10	10	9	8	7.3
	6	6	7	8	10	9	10	10	9	10	10	8	10	7.6
	7	10	9	8	9	7	7	6	6	7	5	7	6	7.0
	8	5	3	4	4	3	6	9	7	5	5	5	3	4.1
	9	8	6	7	7	5	3	4	2	3	3	3	2	4.0
	10	7	6	6	7	7	4	3	4	4	5	4	4	5.8
	11	2	1	2	3	3	8	4	3	3	4	3	3	3.6
	12	5	3	5	6	7	6	5	6	8	8	5	4	5.1
	13	7	6	3	6	4	7	6	10	9	9	7	5	5.3
	14	6	6	2	7	7	10	10	9	7	7	9	9	7.3
	15	7	6	6	7	8	10	10	9	10	10	10	10	5.9
	16	8	7	7	6	4	4	2	1	1	1	2	2	6.0
	17	9	7	5	6	5	6	8	7	6	5	5	6	5.1
	18	10	6	7	8	8	4	9	10	10	10	10	9	6.8
	19	6	5	10	10	8	4	6	7	3	2	2	2	4.8
	20	2	1	1	2	6	7	8	10	10	10	10	7	4.5
	21	3	0	0	0	0	0	0	2	1	1	0	0	2.5
	22	5	4	3	3	2	4	2	0	0	0	3	2	3.5
	23	6	7	4	4	3	6	7	9	10	10	9	9	5.5
	24	6	9	6	5	4	6	8	9	9	6	6	7	5.6
	25	7	10	7	7	5	6	10	9	9	10	10	10	5.6
	26	7	8	9	5	9	4	9	10	9	8	7	8	7.9
	27	7	7	5	5	5	6	2	2	3	3	4	0	6.0
	28	6	6	4	3	7	8	5	3	7	6	8	8	5.0
	29	6	7	5	7	5	5	7	8	8	9	6	6	6.0
	30	8	10	10	10	10	10	10	10	10	10	10	10	7.0
Hourly Means.		6.5	6.1	5.8	6.1	6.0	6.4	6.7	6.7	6.8	6.7	6.6	6.1	5.71

BAROMETRIC PRESSURE.

BAROMETER AT 0°C = 750 MILLIMETRES + THE NUMBERS IN THE TABLE.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
M A Y .	1	8.75	8.20	7.86	7.51	7.87	8.13	9.25	9.66	10.03	10.38	10.04	9.92	—
	2	9.46	8.82	8.17	7.98	8.21	8.61	9.07	9.44	9.64	9.58	8.99	8.61	—
	3	8.68	8.31	8.27	8.33	8.56	8.87	9.19	9.51	9.50	9.49	9.01	8.38	—
	4	8.56	8.30	8.32	7.99	8.05	8.76	9.40	9.93	10.23	10.44	10.18	9.15	—
	5	9.81	9.10	8.86	8.87	9.03	9.54	10.15	10.78	11.01	10.89	10.29	9.57	—
	6	9.49	9.07	8.74	8.51	8.46	9.07	9.58	9.59	9.93	9.68	8.99	8.28	—
	7	9.25	8.91	8.67	8.33	8.23	8.53	8.58	8.89	9.37	9.44	9.38	8.61	—
	8	9.04	8.81	8.83	8.86	9.20	9.74	10.26	10.73	10.85	10.73	10.30	9.41	—
	9	9.68	9.44	9.02	9.14	9.34	9.85	10.20	10.92	11.02	10.67	10.07	9.49	—
	10	9.73	9.01	8.65	8.42	8.35	8.58	9.25	9.79	9.79	9.55	9.02	8.36	—
	11	8.76	8.35	8.12	7.99	8.31	8.67	9.43	9.65	9.79	9.64	9.23	8.59	—
	12	9.00	8.16	7.98	7.88	7.80	8.31	8.31	8.68	8.99	8.91	8.60	7.79	—
	13	7.94	7.51	7.00	7.04	7.16	7.54	7.93	8.44	8.70	8.81	8.70	7.93	—
	14	8.67	8.00	7.72	7.55	7.77	7.91	8.58	9.02	9.01	8.94	8.67	8.14	—
	15	9.16	8.39	7.99	7.97	8.14	8.56	8.93	9.41	9.44	9.23	8.74	8.23	—
	16	8.26	7.85	7.63	7.42	7.65	7.77	8.65	9.09	9.22	9.00	8.68	8.23	—
	17	8.96	8.36	8.11	8.05	8.32	8.32	8.81	9.31	9.32	9.18	9.01	8.52	—
	18	9.78	9.31	9.14	9.10	9.39	9.89	10.56	11.03	10.56	10.21	9.27	8.40	—
	19	9.68	8.87	8.96	8.98	9.08	9.69	10.01	10.41	10.43	9.97	9.45	8.85	—
	20	9.14	8.87	8.85	8.58	8.97	9.18	9.51	10.29	10.35	10.34	10.18	9.68	—
	21	8.92	8.32	8.22	8.13	8.08	8.23	9.00	9.41	9.43	9.20	8.95	8.35	—
	22	9.79	9.39	9.07	8.88	9.31	9.93	10.18	10.80	10.90	10.67	10.57	10.17	—
	23	10.33	9.90	9.58	9.37	9.46	9.78	9.94	10.31	10.61	10.58	10.37	9.69	—
	24	9.82	9.26	9.00	8.99	9.35	9.45	9.83	10.15	10.27	10.19	9.76	9.03	—
	25	8.92	8.62	8.30	8.12	8.40	8.77	9.28	9.49	9.69	9.65	9.12	8.58	—
	26	8.97	8.54	8.26	8.17	8.13	8.42	9.20	9.65	9.71	9.83	9.23	8.83	—
	27	9.25	8.81	8.62	8.64	8.84	9.29	9.27	9.53	9.75	9.49	8.95	8.36	—
	28	8.97	8.60	8.26	8.17	8.19	8.55	8.92	9.67	9.78	9.94	9.42	8.92	—
	29	9.34	8.91	8.60	8.27	8.26	8.50	8.88	9.06	9.16	9.10	8.78	8.27	—
	30	8.75	8.39	7.86	7.74	7.87	8.10	8.50	8.96	9.11	8.93	8.65	8.28	—
	31	8.40	8.32	8.07	7.88	8.26	8.43	8.92	9.41	9.38	9.30	8.95	8.34	—
Hourly Means.		9.14	8.67	8.41	8.29	8.45	8.81	9.28	9.71	9.84	9.74	9.34	8.74	—
Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
M A Y .	1	9.33	8.59	7.95	7.85	7.97	8.15	8.74	9.44	9.86	10.09	10.06	10.08	8.99
	2	8.08	7.64	6.97	7.29	8.03	8.91	9.50	9.55	9.75	9.59	9.41	9.30	8.78
	3	7.75	6.90	6.61	6.58	6.81	7.15	8.30	8.95	9.14	9.50	9.29	9.24	8.43
	4	8.24	8.01	7.74	7.90	8.15	8.69	9.14	9.63	9.84	9.78	9.68	9.35	8.98
	5	8.69	7.95	7.52	7.52	7.73	8.06	8.69	9.48	10.18	10.34	10.42	10.24	9.36
	6	7.51	6.89	6.59	6.49	7.04	7.56	8.40	9.22	9.68	9.82	9.85	9.74	8.67
	7	8.03	7.55	6.94	7.09	7.42	7.98	8.71	9.33	9.48	9.87	9.88	9.63	8.67
	8	8.41	7.76	7.56	7.66	7.98	8.43	9.29	9.86	10.25	10.44	10.37	10.19	9.37
	9	8.98	8.72	8.41	8.63	9.08	9.62	9.69	10.25	10.37	10.43	10.15	9.87	9.71
	10	7.76	7.18	7.07	7.09	7.16	7.81	8.27	9.02	9.59	9.80	9.72	9.67	8.69
	11	7.97	7.31	6.99	7.19	7.34	8.01	8.74	9.62	10.11	10.38	9.89	9.70	8.74
	12	7.56	6.81	6.17	5.97	6.22	7.06	7.66	8.27	8.68	8.78	8.75	8.58	7.96
	13	7.06	6.45	6.06	6.32	6.62	7.12	7.98	8.63	9.08	9.47	9.45	9.20	7.84
	14	7.52	6.83	6.17	6.31	6.78	7.19	7.78	8.90	9.28	9.69	9.87	9.35	8.15
	15	7.27	6.51	6.15	6.21	6.40	6.93	7.46	8.00	8.58	9.08	9.28	9.08	8.13
	16	7.61	7.00	6.55	6.57	6.75	7.11	7.49	8.50	9.03	9.27	9.50	9.39	8.09
	17	8.38	7.61	7.29	7.18	7.47	8.51	9.36	9.65	10.07	10.30	10.29	10.20	8.77
	18	7.94	7.63	7.20	7.05	7.50	7.83	8.65	9.33	9.73	9.78	10.05	10.08	9.14
	19	8.24	7.65	7.39	7.43	7.55	7.95	8.43	8.94	9.35	9.35	9.09	9.11	8.95
	20	8.81	8.16	7.83	8.11	9.14	9.33	9.70	9.81	9.85	9.88	9.91	9.84	9.35
	21	7.71	7.27	6.81	7.04	7.68	7.83	8.55	9.13	10.04	10.24	10.27	10.10	8.62
	22	9.32	9.02	8.80	8.77	9.08	9.33	9.68	10.23	10.88	11.13	11.05	10.80	9.91
	23	8.79	8.06	7.39	7.39	7.66	8.29	9.38	10.28	10.68	10.83	10.65	10.33	9.57
	24	8.28	7.41	6.88	7.05	7.38	7.91	8.11	8.68	8.98	9.55	9.54	9.19	8.92
	25	7.72	7.06	6.58	6.81	7.31	7.91	8.47	9.94	9.57	9.72	9.89	9.62	8.65
	26	8.48	7.62	7.06	7.34	7.53	7.91	8.54	9.05	9.65	9.93	9.88	9.75	8.74
	27	8.04	7.47	7.10	7.07	7.21	7.64	8.16	8.58	9.03	9.22	9.27	9.35	8.62
	28	8.09	7.59	7.28	7.13	7.34	7.64	8.49	8.99	9.56	9.82	9.92	9.70	8.71
	29	7.73	7.30	6.98	7.00	7.17	7.43	7.85	8.52	8.86	9.09	8.91	8.89	8.37
	30	7.52	6.93	6.45	6.25	6.50	6.82	7.36	7.74	8.28	8.66	8.74	8.76	7.96
	31	7.82	7.17	6.96	6.76	6.99	7.26	7.77	8.18	8.74	9.15	9.29	9.35	8.30
Hourly Means.		8.09	7.49	7.08	7.13	7.45	7.92	8.53	9.15	9.55	9.77	9.75	9.60	8.75

STANDARD THERMOMETER.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
M A Y.	1	75.9	75.5	75.1	74.6	74.2	74.4	74.5	75.5	77.0	77.9	78.0	78.0	—
	2	74.1	74.1	73.6	73.2	73.0	72.5	73.0	76.0	78.9	81.6	83.3	81.5	—
	3	73.6	73.2	72.8	72.4	72.1	71.8	72.4	74.7	78.6	81.5	83.0	84.5	—
	4	76.0	75.5	75.1	74.8	74.8	74.6	74.9	75.6	76.5	77.2	76.5	76.1	—
	5	75.8	75.5	75.1	74.8	74.7	74.4	74.4	74.4	74.6	75.1	76.7	79.4	—
	6	76.7	76.2	75.7	76.0	75.7	75.1	75.2	77.8	80.0	82.0	83.4	85.1	—
	7	75.5	75.0	74.6	72.8	72.0	72.3	73.1	73.2	74.8	76.7	79.3	80.5	—
	8	75.5	75.0	74.7	74.1	73.7	73.3	73.5	76.0	79.6	82.8	84.5	85.5	—
	9	77.0	76.8	76.1	75.9	75.9	75.7	76.7	79.2	80.8	83.0	82.5	84.7	—
	10	76.8	76.2	75.4	75.0	74.4	74.0	74.8	77.0	80.6	83.0	84.0	85.4	—
	11	76.7	76.0	75.6	75.1	75.1	75.4	75.5	77.4	80.3	82.2	84.2	85.0	—
	12	74.5	74.0	73.4	73.0	72.9	72.9	74.0	77.0	80.9	83.6	84.2	86.2	—
	13	77.6	76.5	76.3	75.6	75.2	74.9	75.0	78.5	81.3	84.0	85.5	86.5	—
	14	76.5	76.0	75.2	74.8	74.4	73.8	74.3	75.8	79.8	83.1	85.2	86.1	—
	15	75.7	75.2	74.7	74.0	73.9	73.1	74.0	77.5	81.6	84.0	85.7	86.6	—
	16	77.5	76.3	75.7	75.2	74.8	74.6	75.2	78.0	81.1	84.2	86.0	86.0	—
	17	76.4	76.2	75.6	75.0	74.5	74.0	75.1	77.5	81.5	85.0	85.4	85.7	—
	18	75.0	74.6	74.6	74.4	74.6	74.6	74.6	73.6	75.0	75.5	77.6	80.5	—
	19	75.2	75.0	74.8	74.6	74.1	73.8	74.0	74.9	77.7	81.0	82.6	83.2	—
	20	75.6	75.4	74.8	74.2	74.0	73.7	73.7	75.9	79.8	82.3	84.3	85.4	—
	21	73.7	73.6	73.4	73.4	73.8	73.8	74.2	76.0	79.0	81.6	83.4	84.7	—
	22	75.7	75.5	75.0	74.6	74.0	73.5	73.7	75.5	76.8	80.0	81.3	82.3	—
	23	75.3	74.9	74.3	74.0	73.8	73.8	74.0	77.1	81.0	83.5	85.5	86.0	—
	24	76.7	76.2	75.7	75.2	74.6	74.4	75.4	78.0	81.0	83.9	85.6	86.6	—
	25	76.2	76.1	75.2	74.8	74.8	74.0	74.6	76.3	80.4	82.7	85.0	86.2	—
	26	74.7	74.0	74.0	73.2	72.8	72.9	73.3	76.0	80.1	82.9	84.3	85.4	—
	27	76.1	76.0	75.6	75.4	75.6	75.6	76.2	78.5	81.8	84.5	85.8	87.6	—
	28	76.1	75.8	75.6	74.6	74.2	74.2	74.6	77.3	80.0	83.1	85.8	86.7	—
	29	75.4	74.6	73.8	73.3	73.3	72.6	72.8	75.8	80.1	83.6	85.4	87.3	—
	30	77.0	76.4	76.2	75.4	74.9	74.0	74.3	76.8	80.0	82.8	85.4	85.9	—
	31	74.6	74.0	73.6	73.7	72.6	72.0	72.2	74.5	78.6	82.6	84.5	86.0	—
Hourly Means.		75.78	75.33	74.88	74.42	74.14	73.86	74.30	76.36	79.33	81.84	83.35	84.50	—
Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
M A Y.	1	78.7	78.5	78.3	78.8	78.0	77.5	76.9	76.4	75.8	75.0	74.7	74.7	76.41
	2	85.8	84.2	83.0	82.4	80.8	78.0	75.9	75.1	74.8	74.5	74.2	74.0	77.52
	3	85.5	85.5	85.1	85.1	83.6	82.3	81.1	80.0	78.9	78.0	77.4	76.8	78.75
	4	77.0	77.6	78.9	79.1	79.0	78.6	78.1	77.6	77.0	76.7	76.2	76.0	76.64
	5	81.7	83.0	82.5	82.4	81.6	80.8	79.6	78.5	77.7	77.7	77.5	77.1	77.71
	6	85.1	85.7	84.7	83.7	83.1	81.8	81.0	79.6	78.6	78.0	77.4	76.7	79.76
	7	81.5	83.2	83.3	82.8	82.2	81.6	80.5	79.6	78.6	77.6	76.7	76.3	77.65
	8	86.7	86.2	85.2	84.6	84.0	82.6	81.6	80.4	79.8	79.0	78.0	77.8	79.75
	9	83.6	78.5	78.7	80.0	80.2	79.0	78.7	78.6	78.5	77.8	77.4	77.0	78.85
	10	86.3	86.7	85.2	84.9	83.7	82.4	81.2	80.5	79.5	78.9	78.0	77.3	80.05
	11	85.9	85.0	85.4	84.4	83.6	82.6	81.6	80.9	77.8	77.1	75.8	75.0	79.73
	12	87.1	87.2	87.0	86.2	84.8	82.9	81.8	80.5	79.4	78.6	78.4	78.4	79.95
	13	87.2	87.1	86.1	85.7	84.5	83.3	81.8	80.5	79.1	78.5	77.7	77.0	80.64
	14	87.5	86.5	87.1	86.8	85.5	83.5	82.2	80.5	78.9	77.7	77.1	76.2	80.19
	15	87.8	88.0	86.8	85.9	84.5	83.1	82.2	81.5	80.6	80.0	79.6	79.0	80.63
	16	87.8	88.4	88.2	87.4	85.7	83.8	82.2	80.7	79.7	78.3	77.3	76.8	80.87
	17	80.3	84.0	85.0	84.2	83.6	82.2	78.8	76.8	76.6	75.9	75.7	75.5	79.19
	18	81.3	82.2	81.7	82.3	82.1	80.5	79.2	77.8	77.0	75.9	75.6	75.4	77.32
	19	83.1	81.0	83.3	83.2	82.2	81.2	80.0	79.0	78.0	77.6	76.8	76.4	78.57
	20	85.2	85.0	84.7	84.0	77.0	76.0	74.5	74.3	73.3	73.4	73.2	73.5	77.63
	21	85.9	86.2	85.2	84.9	83.8	82.2	81.0	79.9	78.5	77.1	76.9	76.1	79.10
	22	82.5	82.7	82.8	82.5	81.2	79.8	79.0	77.7	77.1	76.5	75.8	75.5	77.96
	23	86.7	87.0	87.3	86.3	84.6	83.0	81.7	80.5	79.4	78.8	78.1	77.3	80.16
	24	87.0	87.8	87.5	86.5	85.0	83.0	81.7	80.6	79.5	78.5	77.8	77.0	80.63
	25	86.8	87.2	86.6	85.6	84.0	82.1	80.6	79.1	77.6	76.6	76.5	75.5	79.77
	26	86.4	86.6	86.1	86.3	83.7	81.7	80.7	79.4	78.1	77.4	76.9	76.6	79.31
	27	88.5	88.2	88.3	87.0	85.5	83.0	81.2	80.0	78.8	78.0	77.5	76.8	80.90
	28	86.4	85.4	86.4	85.8	83.1	82.3	81.0	80.0	79.0	78.0	77.0	76.0	79.93
	29	87.5	88.0	87.1	86.1	84.0	82.1	80.7	79.7	79.5	78.5	77.8	77.5	79.85
	30	87.0	87.8	87.8	87.0	85.6	83.4	81.6	80.0	78.5	77.0	76.1	75.4	80.26
	31	86.6	87.0	85.7	85.3	84.0	82.7	80.9	79.4	78.4	77.4	76.1	75.7	79.09
Hourly Means.		85.05	85.17	84.87	84.43	83.04	81.58	80.29	79.20	78.19	77.42	76.81	76.33	79.19

RELATIVE HUMIDITY OF THE AIR.

SATURATION = 1000.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
M A Y .	1	948	957	966	973	973	965	965	957	900	884	884	901	
	2	973	973	956	973	955	964	964	931	816	763	699	689	—
	3	947	946	946	946	955	955	946	913	808	735	697	689	—
	4	915	931	939	939	939	939	939	940	916	916	882	932	—
	5	948	957	947	939	939	947	947	965	965	966	916	855	—
	6	924	932	948	940	948	966	957	908	864	778	713	672	—
	7	905	914	922	946	955	946	929	929	922	900	879	835	—
	8	940	939	939	938	938	929	929	873	772	697	683	673	—
	9	941	932	948	940	948	948	932	870	850	711	787	716	—
	10	932	932	940	939	939	947	939	875	782	712	694	641	—
	11	949	966	948	947	947	931	923	860	818	759	729	671	—
	12	921	938	946	946	946	946	921	866	739	699	662	675	—
	13	900	916	915	931	931	939	930	869	791	694	660	650	—
	14	916	915	930	922	921	912	904	873	833	725	666	656	—
	15	898	880	888	896	903	903	904	867	792	715	668	614	—
	16	884	906	923	931	930	939	922	869	791	701	642	636	—
	17	906	915	923	931	930	930	914	852	763	670	659	667	—
	18	947	947	947	956	956	956	965	973	957	948	908	842	—
	19	939	947	956	947	956	956	956	974	901	843	780	775	—
	20	931	931	930	939	930	929	929	899	787	695	649	672	—
	21	947	947	947	947	956	956	947	923	847	777	726	683	—
	22	940	939	947	956	965	938	947	914	900	825	776	759	—
	23	931	930	939	938	947	938	938	851	755	672	635	643	—
	24	924	915	923	930	947	939	905	852	798	687	667	638	—
	25	915	857	872	888	879	904	913	882	775	774	633	576	—
	26	904	896	887	911	929	929	911	865	709	624	580	561	—
	27	882	881	889	889	898	898	890	800	721	657	630	576	—
	28	857	873	889	897	904	913	897	820	795	677	623	608	—
	29	905	904	912	929	911	929	920	825	737	665	640	592	—
	30	867	891	890	905	922	930	930	859	796	703	591	606	—
	31	897	912	912	903	910	909	902	846	726	629	599	593	—
Hourly Means.		920	923	928	933	936	936	930	887	817	748	708	687	—
Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
M A Y .	1	893	846	861	838	861	876	907	924	931	947	956	956	920
	2	661	701	739	759	812	845	890	914	947	947	947	947	865
	3	628	706	725	697	748	778	820	856	885	901	900	900	834
	4	907	900	870	847	870	893	893	908	932	940	918	948	916
	5	771	718	766	794	851	873	894	918	933	917	917	907	898
	6	732	720	717	706	753	785	827	879	901	893	907	899	845
	7	814	747	698	717	758	806	872	894	902	925	924	924	873
	8	633	689	732	702	755	801	837	880	895	918	926	908	830
	9	734	821	846	840	855	885	909	885	893	917	933	932	874
	10	638	639	718	717	748	779	827	856	870	878	908	925	824
	11	707	731	726	729	754	794	821	812	876	883	898	913	838
	12	666	660	646	675	717	766	807	856	886	901	901	908	816
	13	641	610	668	641	682	775	807	819	886	885	892	907	807
	14	600	670	659	632	686	754	808	857	885	892	891	899	809
	15	595	626	696	706	763	781	822	821	865	879	894	909	804
	16	600	579	597	611	719	714	772	827	848	869	892	900	792
	17	895	755	717	742	768	808	838	891	924	948	940	948	843
	18	791	793	806	772	778	872	855	884	916	931	931	940	899
	19	739	735	767	739	758	806	864	902	925	925	941	932	873
	20	718	704	717	728	834	881	921	921	937	929	937	920	849
	21	611	619	745	731	714	764	820	840	885	916	907	923	837
	22	765	745	738	751	776	848	870	901	900	916	931	940	870
	23	632	646	660	683	737	788	792	826	848	870	885	907	808
	24	628	600	605	657	711	788	814	857	870	878	893	907	806
	25	507	557	577	590	628	721	789	816	852	891	883	905	774
	26	529	583	612	594	672	728	775	802	837	860	859	874	768
	27	544	532	573	597	653	717	769	803	815	814	836	858	755
	28	643	653	643	655	746	778	805	825	839	861	883	899	791
	29	605	614	616	630	673	729	805	833	832	846	876	867	783
	30	586	537	566	585	647	712	734	795	807	835	874	881	769
	31	583	592	635	627	715	723	775	802	807	835	849	841	772
Hourly Means.		677	678	698	700	747	793	830	860	882	895	905	910	830

DIRECTION OF THE WIND.

Mean Batavia Time	1 A. M.	2	3	4	5	6	7	8	9	10	11	12
MAY.	1	C	C	C	C	C	C	C	ESE	ESE	ESE	E
	2	C	C	C	C	C	C	C	ESE	E	E	E
	3	C	C	C	C	C	C	SE	SE	ESE	ENE	ENE
	4	C	C	C	C	C	C	C	C	ENE	ENE	NE
	5	C	C	C	C	C	C	C	C	C	E	SE
	6	C	C	C	C	C	C	C	ESE	ESE	SW	NNW
	7	C	C	NE	NNW	ENE	ENE	C	ESE	ENE	ENE	ENE
	8	C	C	C	C	C	NE	NE	E	E	ENE	ENE
	9	C	C	ESE	C	C	C	C	ESE	ENE	NNW	NNE
	10	NE	ENE	ENE	ENE	ENE	ENE	ENE	E	ESE	E	ENE
	11	ENE	WNW	NNE	NNE	NNE	ESE	ESE	SSE	ESE	ENE	ENE
	12	SW	SW	SW	SW	SW	C	C	SW	SE	ESE	SE
	13	C	C	C	C	C	C	ENE	SSE	ESE	ESE	E
	14	C	C	C	E	C	C	C	E	E	ESE	ENE
	15	ENE	SE	C	C	C	SE	SE	SE	SSE	E	SE
	16	ESE	C	C	C	C	C	C	ESE	ESE	E	ESE
	17	C	C	C	C	C	E	E	E	ESE	E	SE
	18	C	C	C	C	SSE	NNE	NE	C	SSE	SSE	ESE
	19	C	ESE	C	C	C	ESE	ESE	C	E	ESE	NNE
	20	C	C	C	C	C	C	C	SE	ESE	ESE	NE
	21	C	C	C	C	C	C	C	C	ESE	ENE	E
	22	C	C	C	C	C	C	C	C	SE	ENE	E
	23	C	C	C	C	C	E	E	ESE	E	ESE	ENE
	24	C	C	C	C	C	ENE	SSE	C	SSE	E	ENE
	25	ESE	SE	C	C	C	C	C	SE	ESE	ESE	ESE
	26	C	C	C	C	C	C	C	C	ESE	ESE	E
	27	C	E	C	C	C	C	E	SE	ESE	ESE	ENE
	28	C	C	C	C	C	C	SSE	C	SSW	E	E
	29	C	C	C	C	C	C	C	SE	ESE	ESE	E
	30	C	C	C	C	C	C	C	SE	SSW	SSW	ENE
	31	C	C	C	C	C	C	C	SSE	ESE	E	E

Mean Batavia Time.	1 P. M.	2	3	4	5	6	7	8	9	10	11	12
MAY.	1	E	E	ESE	ESE	ESE	ESE	C	C	C	C	C
	2	E	ENE	NNE	NE	E	S	SSE	SE	C	C	C
	3	NE	NE	NNE	NNE	ENE	ENE	ENE	ENE	C	C	C
	4	ENE	ENE	ENE	ENE	ENE	ENE	E	C	C	C	C
	5	S	SSW	SE	C	C	C	C	C	C	C	C
	6	N	NE	NE	NE	NE	NE	NE	C	NE	C	C
	7	ENE	ENE	NE	ENE	ENE	NE	NE	NE	C	C	C
	8	ENE	NE	NE	NE	NE	ENE	ENE	C	C	C	C
	9	NNW	ENE	C	ENE	SE	SE	SE	C	C	NE	NE
	10	NE	NNE	NE	NE	NNE	NE	C	NE	SSE	SSE	S
	11	ENE	N	NE	NNE	NE	NE	C	NE	WSW	SW	SW
	12	ENE	ENE	ENE	ENE	ENE	ENE	ENE	C	C	ENE	C
	13	ENE	ENE	ENE	ENE	ENE	E	C	C	C	C	C
	14	ENE	NE	ENE	ENE	ENE	ENE	C	C	C	C	ENE
	15	E	ENE	NNE	NE	NE	NE	NE	C	C	C	NE
	16	E	ENE	ENE	ENE	ENE	E	C	C	C	C	C
	17	NNW	NE	NE	NE	NE	NE	S	SE	E	SSE	C
	18	ESE	E	E	ESE	ESE	ESE	C	C	C	ESE	C
	19	NNE	NE	NE	NE	NNE	NE	C	C	C	NE	SE
	20	NNE	NE	N	NE	SSW	SSW	SSW	SSW	C	C	C
	21	ENE	ENE	NNE	NE	NE	NE	NE	C	C	C	C
	22	SE	E	ENE	ENE	ENE	NE	C	C	C	C	C
	23	ENE	ENE	E	ENE	ENE	ENE	E	C	C	C	C
	24	ENE	ENE	ENE	NE	ENE	ENE	ENE	E	ESE	C	C
	25	ENE	ENE	E	E	E	E	C	C	C	C	C
	26	NE	ENE	NE	E	E	E	C	C	C	C	C
	27	E	ENE	ENE	ENE	E	E	ESE	ESE	ESE	C	C
	28	ENE	ESE	E	E	E	E	ESE	ESE	C	C	C
	29	ENE	ENE	ENE	E	E	E	E	ESE	ESE	C	C
	30	E	E	E	E	E	E	E	C	C	C	C
	31	ESE	ENE	E	E	E	E	C	C	C	C	C

VELOCITY OF THE WIND IN KILOMETERS PER HOUR.

Mean Batavia Time.		1 A.M.	2	3	4	5	6	7	8	9	10	11	12	—
M A Y.	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	2.4	2.4	5.6	—
	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	4.0	6.4	9.7	—
	3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	2.4	6.4	8.0	10.5	—
	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	8.0	1.6	—
	5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.6	—
	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	3.2	4.0	—
	7	0.0	0.0	2.4	6.4	0.8	1.6	0.0	1.6	1.6	1.6	5.6	8.9	—
	8	0.0	0.0	0.0	0.0	0.0	0.0	1.6	0.8	3.2	7.2	10.5	12.9	—
	9	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.0	1.6	6.4	7.2	6.4	—
	10	1.6	2.4	0.8	0.8	0.8	0.8	0.8	2.4	8.0	10.5	8.0	8.0	—
	11	0.8	0.8	0.8	0.8	0.8	2.4	5.6	5.6	4.0	4.8	7.2	10.5	—
	12	1.6	1.6	1.6	1.6	0.8	0.0	0.0	4.8	7.2	10.5	9.7	8.9	—
	13	0.0	0.0	0.0	0.0	0.0	0.0	0.8	2.4	9.7	14.5	11.3	14.5	—
	14	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.8	3.2	6.4	9.7	4.8	—
	15	0.8	0.8	0.0	0.0	0.0	0.8	1.6	2.4	4.8	8.9	9.7	10.5	—
	16	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.8	4.0	9.7	11.3	9.7	—
	17	0.0	0.0	0.0	0.0	0.0	0.8	0.8	1.6	4.0	6.4	4.0	3.2	—
	18	0.0	0.0	0.0	0.0	1.6	0.8	3.2	0.0	0.8	1.6	5.6	8.0	—
	19	0.0	0.8	0.0	0.0	0.0	0.8	2.4	0.0	1.6	6.4	5.6	10.5	—
	20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	4.8	4.8	8.9	8.9	—
	21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.8	6.4	6.4	8.0	—
	22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	9.7	9.7	—
	23	0.0	0.0	0.0	0.0	0.0	0.8	0.8	2.4	9.7	12.1	9.7	9.7	—
	24	0.0	0.0	0.0	0.0	0.0	0.8	1.6	0.0	4.8	8.9	8.0	12.1	—
	25	1.6	1.6	0.0	0.0	0.0	0.6	0.0	0.8	4.0	8.9	8.0	9.7	—
	26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	4.8	3.2	4.8	—
	27	0.0	0.8	0.0	0.0	0.0	0.0	1.6	3.2	6.4	7.2	11.3	12.1	—
	28	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.0	0.8	5.6	8.9	13.7	—
	29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	9.7	15.3	15.3	14.5	—
	30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	2.4	2.4	6.4	8.0	—
	31	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	5.6	8.0	8.9	—
Hourly Means.		0.23	0.28	0.21	0.34	0.15	0.31	0.70	1.19	3.60	6.38	7.68	8.71	—
Mean Batavia Time.		1 P.M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
M A Y.	1	7.2	10.5	9.7	11.3	6.4	3.2	0.0	0.0	0.0	0.0	0.0	0.0	2.48
	2	11.3	10.5	11.3	14.5	6.4	9.7	4.8	0.8	0.0	0.0	0.0	0.0	3.76
	3	10.5	9.7	10.5	10.5	8.0	7.2	3.2	0.8	0.0	0.0	0.0	0.0	3.69
	4	4.0	3.2	3.2	6.4	2.4	1.6	1.6	0.0	0.0	0.0	0.0	0.0	1.47
	5	0.8	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.20
	6	8.9	7.2	12.1	10.5	11.3	4.0	0.8	0.0	0.8	0.0	0.0	0.0	2.75
	7	8.9	11.3	10.5	12.1	10.5	2.4	1.6	2.4	0.0	0.0	0.0	0.0	3.76
	8	12.1	12.9	17.7	13.7	10.5	4.8	1.6	0.0	0.0	0.0	0.0	0.0	4.56
	9	10.5	7.2	0.0	1.6	4.8	1.6	1.6	3.2	0.0	0.0	1.6	0.8	2.30
	10	9.7	12.1	12.9	12.9	9.7	3.2	0.0	0.8	2.4	0.8	2.4	3.2	4.79
	11	10.5	8.0	8.9	9.7	7.2	0.8	0.0	3.2	3.2	4.8	2.4	3.2	4.42
	12	13.7	12.1	13.7	16.9	15.3	8.9	3.2	0.0	0.0	0.8	0.8	0.0	5.57
	13	15.3	15.3	15.3	13.7	6.4	2.4	0.0	0.0	0.0	0.0	0.0	0.0	5.07
	14	9.7	10.5	9.7	12.9	6.4	5.6	0.8	0.0	0.0	0.0	0.0	0.8	3.42
	15	8.9	10.5	12.1	11.3	8.9	6.4	4.0	1.6	0.0	0.0	0.0	0.8	4.37
	16	12.9	12.9	12.9	12.9	9.7	4.0	1.6	0.0	0.0	0.0	0.0	0.0	4.30
	17	5.6	5.6	8.9	7.2	5.6	3.2	8.0	4.0	1.6	0.8	0.0	0.0	2.97
	18	10.5	11.3	8.0	7.2	2.4	0.8	0.0	0.0	0.0	0.0	0.8	0.0	2.61
	19	5.6	10.5	8.0	8.0	4.8	0.8	0.0	0.0	0.0	0.0	1.6	1.6	2.88
	20	10.5	12.1	15.3	12.9	8.0	0.8	0.8	0.8	0.8	0.0	0.0	0.0	3.76
	21	11.3	9.7	11.3	9.7	7.2	4.0	1.6	0.8	0.0	0.0	0.0	0.0	3.38
	22	7.2	6.4	8.0	8.0	8.0	3.2	0.0	0.0	0.0	0.0	0.0	0.0	2.61
	23	8.0	8.0	11.3	12.9	11.3	6.4	8.0	1.6	0.0	0.0	0.0	0.0	4.70
	24	13.7	12.9	12.1	13.7	11.3	6.4	3.2	1.6	0.8	0.0	0.0	0.0	4.66
	25	14.5	15.3	13.7	12.1	7.2	2.4	1.6	0.0	0.0	0.0	0.0	0.0	4.23
	26	4.8	4.8	7.2	8.9	5.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0	2.04
	27	13.7	14.5	16.1	16.1	12.1	6.4	4.0	3.2	0.8	0.8	0.0	0.0	5.13
	28	17.7	16.1	11.3	11.3	8.0	4.0	2.4	0.8	0.0	0.0	0.0	0.0	4.23
	29	16.9	16.1	17.7	13.7	8.0	4.8	2.4	1.6	1.6	0.8	0.0	0.0	5.93
	30	8.0	11.3	12.1	10.5	6.4	4.0	1.6	0.0	0.0	0.0	0.0	0.0	3.11
	31	8.0	15.3	11.3	9.7	6.4	3.2	2.4	0.0	0.0	0.0	0.0	0.0	3.35
Hourly Means.		10.03	10.47	10.76	10.74	7.62	3.80	1.96	0.88	0.39	0.28	0.31	0.34	3.64

CLOUDS.

CLEAR = 0. — OVERCAST = 10.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
M A Y .	1	8	9	6	5	8	4	10	9	9	9	9	10	
	2	4	5	4	4	3	5	2	2	4	3	6	6	—
	3	4	5	5	4	3	4	2	2	1	2	1	0	—
	4	2	4	5	9	8	8	10	10	10	10	10	10	—
	5	10	8	8	9	10	10	10	10	10	10	10	10	—
	6	10	10	8	10	10	4	7	5	7	7	5	5	—
	7	5	9	9	10	10	10	10	10	3	2	2	6	—
	8	2	4	5	4	6	5	3	2	3	2	5	4	—
	9	3	2	4	3	5	9	9	9	7	9	8	8	—
	10	7	6	5	3	3	6	2	0	0	3	5	5	—
	11	10	10	10	10	6	4	5	3	5	5	7	7	—
	12	6	7	6	4	5	6	3	2	1	4	6	7	—
	13	5	2	2	1	3	4	3	6	5	3	6	5	—
	14	3	4	4	3	2	4	4	3	2	2	4	7	—
	15	5	3	3	3	2	3	3	2	2	3	4	4	—
	16	4	6	6	3	2	2	3	2	3	2	5	5	—
	17	4	3	4	5	4	5	2	1	1	3	6	5	—
	18	3	4	4	6	9	10	10	10	10	10	7	6	—
	19	4	3	5	6	6	6	10	10	7	5	7	9	—
	20	2	2	1	1	2	3	8	7	5	4	3	3	—
	21	3	6	9	9	9	4	4	2	3	3	5	5	—
	22	6	5	6	6	5	6	4	3	6	6	5	7	—
	23	3	2	2	2	4	8	3	4	5	4	4	7	—
	24	7	4	4	3	3	4	3	3	2	2	3	5	—
	25	2	3	2	1	2	4	7	5	2	2	3	3	—
	26	4	3	2	2	3	2	3	4	3	2	3	5	—
	27	7	6	7	8	8	8	4	2	1	3	3	3	—
	28	2	2	4	5	7	9	4	2	7	6	7	6	—
	29	2	3	3	0	0	3	3	3	2	2	3	1	—
	30	5	7	8	7	2	3	3	2	2	2	0	4	—
	31	6	5	4	4	7	3	2	4	2	2	5	5	—
Hourly Means.		4.8	4.9	5.0	4.8	5.1	5.4	5.0	4.5	4.2	4.2	5.1	5.6	—
Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
M A Y .	1	10	10	10	9	9	7	3	3	3	5	6	9	7.5
	2	7	7	6	7	8	10	8	7	7	5	4	3	5.4
	3	3	2	1	6	4	2	3	2	2	4	5	6	3.0
	4	10	10	9	10	10	10	9	9	10	10	8	8	8.7
	5	9	9	9	10	10	8	6	7	6	8	10	10	9.0
	6	3	2	3	3	0	2	3	2	3	2	3	6	5.0
	7	5	7	5	3	3	6	3	3	2	0	4	4	5.5
	8	6	3	7	7	5	6	3	3	2	2	4	5	4.1
	9	10	10	10	10	8	10	10	10	6	9	5	9	7.6
	10	4	3	3	3	3	4	9	10	10	10	10	10	5.2
	11	4	5	5	4	3	5	8	10	9	8	7	4	6.4
	12	6	5	7	7	3	6	6	5	4	6	7	7	5.3
	13	6	6	7	5	4	3	6	5	7	7	5	3	4.5
	14	4	4	5	2	1	5	6	4	4	3	7	9	4.0
	15	7	5	5	4	5	4	6	5	7	5	8	7	4.4
	16	4	5	3	5	2	0	1	1	2	2	2	3	3.0
	17	9	5	3	3	4	8	9	10	10	6	7	7	5.2
	18	2	2	4	6	7	7	3	2	2	1	2	2	5.4
	19	8	6	6	5	5	6	4	7	6	6	3	2	5.9
	20	4	4	5	7	10	10	8	6	6	7	5	4	5.0
	21	2	3	3	2	1	1	0	1	1	1	1	3	3.4
	22	7	8	8	8	7	5	5	4	4	5	3	3	5.5
	23	7	6	4	3	3	2	3	3	2	8	2	1	3.8
	24	2	1	2	1	1	4	6	4	7	7	6	3	3.6
	25	1	1	1	2	3	4	4	3	4	2	3	1	2.7
	26	8	5	6	7	6	4	2	3	4	4	9	9	4.3
	27	2	3	1	1	3	3	4	0	0	0	2	2	3.3
	28	6	7	5	3	3	4	7	5	2	0	0	0	4.3
	29	2	1	2	3	1	4	7	6	8	8	6	4	3.2
	30	3	2	3	1	1	3	4	2	4	3	3	2	3.2
	31	8	8	7	7	4	5	2	0	0	0	0	1	3.8
Hourly Means.		5.5	5.0	5.0	5.0	4.4	5.1	5.2	4.7	4.6	4.6	4.7	4.7	4.88

BAROMETRIC PRESSURE.

BAROMETER AT 0°C = 750 MILLIMETRES + THE NUMBERS IN THE TABLE.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
J U N E.	1	8.92	8.78	8.23	8.02	8.05	8.28	8.37	8.93	9.11	8.86	8.32	7.76	—
	2	8.45	7.84	7.66	7.47	7.39	7.71	7.63	7.92	7.89	7.96	7.45	6.66	—
	3	7.30	6.97	6.40	6.21	6.69	6.80	7.37	7.74	7.85	7.63	7.55	7.22	—
	4	8.04	7.66	7.42	7.49	7.69	7.99	8.15	8.82	8.97	8.43	7.89	7.24	—
	5	8.47	8.04	8.05	8.06	8.46	8.62	9.05	9.42	9.48	9.18	8.82	8.19	—
	6	7.65	7.06	6.85	6.89	7.17	7.43	7.65	8.03	8.09	8.01	7.54	7.09	—
	7	7.22	7.00	6.77	6.80	6.91	7.36	7.86	8.22	8.20	8.13	7.67	6.82	—
	8	7.29	6.81	6.37	6.46	6.70	6.96	7.62	7.90	8.00	7.96	7.54	6.73	—
	9	7.59	6.96	6.82	6.90	6.92	7.06	7.83	8.27	8.51	8.37	8.06	7.43	—
	10	7.80	7.39	6.90	6.67	6.80	6.82	7.50	7.97	8.05	7.99	7.44	6.56	—
	11	8.03	7.61	7.24	7.26	7.30	7.20	7.40	7.99	8.26	8.18	7.80	7.13	—
	12	8.29	8.11	7.90	7.77	7.96	8.02	8.27	8.84	9.29	9.13	8.98	8.40	—
	13	9.07	8.77	8.35	8.34	8.32	8.56	9.10	9.68	9.90	9.90	9.70	9.14	—
	14	10.45	10.13	9.80	9.83	10.00	10.28	10.40	10.91	11.19	11.23	10.98	10.19	—
	15	9.74	9.18	8.92	8.93	9.25	9.49	10.16	10.51	10.53	10.38	10.30	9.86	—
	16	9.93	9.63	9.44	9.51	9.57	9.64	9.85	10.44	10.66	10.50	10.05	9.41	—
	17	10.80	10.68	10.36	10.24	10.43	10.75	11.19	11.32	11.26	10.93	10.45	9.83	—
	18	10.39	10.23	10.05	10.03	10.33	10.60	10.97	11.44	11.35	11.05	10.50	9.87	—
	19	10.30	10.01	9.91	10.00	10.49	11.19	11.65	11.89	11.97	11.64	11.22	10.68	—
	20	10.53	10.35	10.54	10.45	10.73	10.61	11.11	11.50	11.26	10.98	10.44	9.81	—
	21	10.83	10.41	10.10	10.30	10.69	10.75	10.82	11.36	11.47	11.08	10.52	9.59	—
	22	10.18	9.74	9.28	9.21	9.59	9.85	10.21	10.82	10.95	10.83	10.30	9.51	—
	23	9.99	9.86	9.65	9.65	9.93	10.11	10.45	11.06	11.33	10.95	10.22	9.57	—
	24	10.32	9.70	9.26	9.35	9.89	10.01	10.14	10.96	11.10	10.70	10.12	9.31	—
	25	9.65	9.05	8.84	8.72	9.04	9.21	9.82	10.17	10.30	9.98	9.64	8.85	—
	26	9.99	9.66	9.51	9.32	9.38	9.40	9.48	9.82	10.01	9.81	9.37	8.78	—
	27	9.01	8.73	8.42	8.56	8.58	9.12	9.38	9.70	9.79	9.69	9.62	9.14	—
	28	10.28	9.70	9.36	9.20	9.32	9.52	10.01	10.37	10.44	10.28	10.04	9.57	—
	29	10.57	10.00	9.68	9.65	9.63	9.86	10.23	10.65	10.68	10.72	10.17	9.64	—
	30	10.14	9.90	9.68	9.46	9.80	10.03	10.59	10.93	10.74	10.44	10.07	9.47	—
Hourly Means.		9.24	8.87	8.59	8.56	8.77	8.97	9.34	9.79	9.89	9.70	9.29	8.65	—
Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
J U N E.	1	7.42	6.83	6.40	6.45	6.58	6.96	7.54	7.97	8.69	9.04	8.95	8.72	8.05
	2	6.01	5.46	4.85	4.66	4.93	5.53	6.51	7.17	7.73	7.86	7.94	7.73	7.02
	3	6.53	5.97	5.52	5.43	5.84	6.28	6.59	7.30	7.67	8.00	8.19	7.99	6.96
	4	6.81	6.38	6.02	6.33	6.78	7.43	8.22	8.57	8.81	8.94	8.98	9.02	7.84
	5	7.63	7.03	7.18	6.58	6.58	6.72	7.10	7.65	8.19	8.33	8.15	7.97	8.04
	6	6.78	6.13	5.71	5.76	5.92	6.38	6.89	7.50	7.75	7.64	7.68	7.45	7.13
	7	5.98	5.40	5.17	5.22	5.46	6.14	6.76	7.33	7.70	7.96	7.70	7.62	6.98
	8	6.22	5.78	5.48	5.51	5.82	6.14	6.49	7.09	7.68	7.98	7.91	7.75	6.92
	9	6.76	6.30	5.88	5.88	6.18	6.46	7.04	7.62	8.28	8.53	8.54	8.19	7.35
	10	6.43	5.93	5.73	5.73	5.96	6.54	7.44	7.89	8.53	8.55	8.57	8.33	7.23
	11	6.61	6.38	6.12	6.01	6.17	6.46	7.04	7.68	8.43	8.65	8.68	8.60	7.43
	12	7.44	6.87	6.47	6.62	6.72	7.08	7.79	8.55	8.95	9.27	9.45	9.20	8.14
	13	8.67	8.23	7.82	7.84	8.06	8.50	8.99	9.43	10.12	10.57	10.64	10.48	9.09
	14	9.56	8.87	8.52	8.38	8.58	8.86	9.17	9.60	10.07	10.53	10.39	10.30	9.93
	15	9.44	8.66	8.43	8.14	8.53	8.68	8.94	9.60	10.23	10.28	10.34	10.38	9.54
	16	9.06	8.63	8.33	8.29	8.58	9.13	9.41	10.19	10.62	10.90	10.88	11.05	9.74
	17	9.14	8.83	8.56	8.57	8.79	9.17	10.04	10.46	10.72	10.98	10.79	10.67	10.21
	18	9.41	8.69	8.43	8.42	8.79	9.18	9.59	10.26	10.30	10.40	10.27	10.30	10.04
	19	9.93	9.43	9.08	8.93	8.98	9.43	10.12	10.65	11.09	11.08	10.92	10.79	10.47
	20	9.47	9.22	9.03	9.15	9.23	9.59	10.22	10.62	11.02	11.07	11.12	10.97	10.38
	21	9.18	8.76	8.49	8.56	8.83	9.06	9.69	10.15	10.40	10.57	10.57	10.55	10.11
	22	8.70	7.78	7.46	7.43	7.77	8.19	8.82	9.37	9.83	9.93	10.02	10.05	9.41
	23	8.74	7.89	7.78	7.62	7.74	8.42	8.85	9.70	10.28	10.40	10.48	10.40	9.63
	24	8.64	8.07	7.41	7.26	7.64	8.17	8.87	9.70	10.12	10.29	10.09	9.90	9.46
	25	8.46	7.88	7.47	7.39	7.66	8.07	8.74	9.30	9.77	10.21	10.19	10.24	9.11
	26	8.18	7.58	7.04	7.09	7.38	7.60	8.09	8.68	9.14	9.32	9.31	9.31	8.89
	27	8.39	7.98	7.37	7.43	7.79	8.36	9.12	9.53	10.05	10.50	10.44	10.58	9.05
	28	9.42	8.81	8.09	7.89	8.47	8.84	9.07	9.61	10.22	10.54	10.53	10.43	9.58
	29	8.88	8.46	7.86	7.56	7.86	8.47	8.93	9.66	10.20	10.34	10.38	10.43	9.60
	30	8.71	8.14	7.58	7.48	7.78	8.26	8.58	9.31	9.73	10.27	10.40	10.43	9.50
Hourly Means.		8.09	7.55	7.18	7.12	7.38	7.80	8.36	8.94	9.41	9.63	9.62	9.53	8.76

STANDARD THERMOMETER.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
J U N E.	1	75.0	73.5	73.0	72.6	72.0	72.0	72.8	75.5	79.5	83.7	86.5	88.1	—
	2	76.0	76.0	75.5	75.0	74.8	74.2	74.5	76.6	81.0	83.6	85.3	87.6	—
	3	77.0	76.7	76.3	76.0	75.3	75.3	75.6	78.1	81.0	84.0	85.0	87.5	—
	4	76.2	75.8	75.2	75.0	75.0	74.8	75.4	76.1	78.5	82.7	84.9	86.4	—
	5	76.3	76.3	75.8	75.8	75.5	75.0	75.6	77.0	78.0	80.8	84.5	85.8	—
	6	75.7	75.4	74.8	74.1	73.6	73.6	74.3	76.3	80.0	82.6	85.0	86.4	—
	7	77.0	76.2	76.0	75.9	75.6	75.8	76.5	79.5	82.5	83.6	85.0	87.1	—
	8	76.5	76.2	75.5	74.9	74.1	73.6	74.3	76.2	80.0	84.1	86.3	86.0	—
	9	76.4	76.2	75.2	74.8	74.2	73.8	74.0	76.4	78.4	80.0	84.0	87.4	—
	10	76.6	76.1	75.5	75.3	74.8	74.3	74.8	78.0	81.0	83.1	86.0	87.8	—
	11	79.0	79.0	78.3	77.7	76.9	76.0	76.2	78.6	81.5	83.3	85.0	85.8	—
	12	77.0	76.4	76.0	75.4	74.8	74.3	74.6	77.9	79.6	82.6	83.6	86.6	—
	13	76.9	76.4	75.8	75.0	74.6	73.6	73.3	75.7	78.9	81.0	82.6	85.4	—
	14	75.8	75.2	74.9	74.2	73.5	73.2	73.3	75.0	77.4	80.7	83.3	85.6	—
	15	74.2	73.5	72.4	72.0	71.3	70.3	70.2	73.2	77.2	81.0	83.0	81.0	—
	16	73.3	73.0	72.1	71.2	70.2	70.2	70.8	73.6	78.0	81.4	84.0	86.2	—
	17	75.0	74.6	74.0	73.4	72.7	72.3	72.5	75.5	79.9	82.6	85.1	87.2	—
	18	74.7	73.9	73.6	73.1	72.6	72.4	72.8	75.8	79.7	83.0	84.3	86.4	—
	19	74.1	73.3	72.8	72.0	71.0	70.1	70.3	72.6	76.2	80.6	84.0	86.0	—
	20	75.6	75.0	74.2	73.3	72.7	72.0	72.0	75.0	79.1	82.6	85.0	87.5	—
	21	73.7	73.2	72.5	72.0	71.5	71.0	71.1	72.1	76.3	80.6	83.4	86.2	—
	22	74.2	73.8	73.8	73.4	72.4	72.0	72.5	75.1	78.0	81.9	83.6	85.5	—
	23	73.7	73.3	73.5	72.9	72.3	71.6	71.6	74.5	78.1	81.0	84.4	85.8	—
	24	77.0	76.0	74.8	73.5	72.8	71.4	71.9	74.0	77.0	81.0	83.6	85.4	—
	25	72.5	71.5	71.5	70.7	70.9	70.5	70.7	73.0	77.5	81.0	83.5	85.7	—
	26	72.7	72.0	71.1	70.1	69.0	69.0	69.4	72.3	76.8	80.8	84.1	85.6	—
	27	73.1	72.2	71.4	70.7	69.7	69.4	69.6	73.0	78.5	82.7	84.6	86.5	—
	28	74.3	73.5	73.1	72.5	72.5	71.9	72.9	75.4	78.7	82.0	86.0	86.6	—
	29	75.5	75.0	74.0	74.1	73.3	73.0	73.0	75.1	77.9	81.5	84.5	86.5	—
	30	75.9	75.2	74.7	74.0	73.3	72.7	72.7	75.3	79.0	82.1	84.2	86.2	—

Hourly Means.	75.36	74.81	74.24	73.69	73.10	72.64	72.97	75.41	78.84	82.05	84.48	86.36	—
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Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
J U N E.	1	88.7	89.0	88.8	87.8	86.0	84.0	82.2	80.8	80.0	78.1	77.4	76.3	80.14
	2	88.0	88.1	88.0	87.2	86.2	83.7	82.1	81.2	79.6	79.0	78.1	77.7	80.79
	3	86.7	87.5	87.0	86.3	85.5	83.5	82.0	80.3	79.3	78.2	77.6	76.8	80.77
	4	87.6	85.6	85.3	85.0	84.0	82.7	80.6	79.5	78.7	77.5	76.7	76.7	79.83
	5	86.4	85.9	85.2	84.8	81.8	81.3	80.2	79.2	78.6	77.5	77.0	76.5	79.08
	6	86.5	87.0	86.6	86.0	81.5	82.4	81.0	80.0	79.1	78.1	77.6	77.3	79.91
	7	88.1	88.2	88.4	86.7	85.2	83.2	81.5	80.2	79.2	78.0	77.2	76.7	80.97
	8	87.5	87.6	87.0	86.0	83.8	82.0	81.0	80.0	79.0	77.6	77.1	76.6	80.12
	9	88.2	88.6	88.2	87.8	86.1	84.1	82.0	80.5	79.0	78.5	78.0	77.2	80.38
	10	86.4	85.3	86.0	86.3	84.7	83.5	82.4	81.4	81.0	80.3	80.0	79.6	80.84
	11	86.1	85.0	85.1	83.8	83.0	82.0	80.3	80.2	79.4	79.0	78.3	77.9	80.75
	12	87.4	87.1	87.1	85.3	84.1	82.8	81.3	79.9	79.0	78.0	77.4	77.0	80.22
	13	86.7	86.3	85.0	83.6	82.4	81.5	80.1	78.5	77.7	77.5	77.1	76.2	79.24
	14	86.9	85.9	85.5	85.1	83.8	82.2	80.4	78.5	77.5	76.3	75.6	75.0	78.95
	15	85.2	86.2	84.9	84.4	83.6	82.1	80.3	78.5	76.8	75.6	74.9	74.0	77.87
	16	86.9	87.7	86.2	85.5	84.5	82.2	80.7	78.9	78.4	77.4	76.1	75.6	78.50
	17	87.8	86.2	85.9	84.7	84.1	82.7	80.7	79.0	78.0	76.5	75.5	75.5	79.23
	18	86.0	86.5	86.2	86.2	84.8	82.6	81.0	79.9	78.6	77.5	76.5	75.2	79.30
	19	86.0	85.5	85.1	85.0	84.2	82.2	80.5	79.0	78.6	78.5	77.0	76.0	78.36
	20	85.9	85.6	84.7	84.5	83.5	82.5	81.0	79.4	77.9	77.0	75.6	74.4	79.00
	21	87.2	86.2	84.9	84.0	83.3	82.0	80.0	79.0	77.4	76.6	75.8	75.0	78.13
	22	87.5	86.8	86.0	85.7	83.3	81.6	80.0	78.2	76.4	75.5	75.0	74.5	78.61
	23	87.3	88.1	84.6	81.5	83.3	81.5	80.5	79.6	79.2	78.4	78.1	77.7	78.98
	24	85.8	85.4	86.0	85.4	84.0	82.1	80.1	78.6	77.1	76.0	74.5	73.5	78.62
	25	87.0	86.8	85.9	84.6	82.6	80.8	79.2	77.2	75.2	74.9	74.1	73.5	77.53
	26	86.8	86.7	87.2	86.0	84.0	81.4	78.9	77.0	76.0	74.9	74.2	74.0	77.50
	27	87.7	87.7	88.0	86.5	85.3	82.7	81.0	79.0	77.9	77.0	76.4	75.0	78.57
	28	85.5	86.2	85.7	85.5	83.6	81.6	80.6	79.0	78.5	78.0	77.2	76.4	79.05
	29	85.7	85.7	86.0	85.0	84.0	82.0	80.5	79.5	78.7	77.6	77.5	76.4	79.25
	30	87.2	86.6	85.6	85.0	83.4	81.6	80.6	80.2	78.8	78.4	77.8	77.0	79.48

Hourly Means.	86.89	86.70	85.94	85.31	84.09	82.35	80.77	79.41	78.35	77.45	76.71	76.04	79.33
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RELATIVE HUMIDITY OF THE AIR.

SATURATION = 1000.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
J U N E.	1	897	877	886	885	893	884	868	840	735	601	524	481	—
	2	881	865	880	897	888	896	888	834	748	699	627	588	—
	3	891	899	906	906	898	905	957	830	790	687	664	606	—
	4	915	915	914	922	922	922	914	915	869	696	638	607	—
	5	882	882	899	899	915	922	905	866	846	775	689	662	—
	6	948	966	966	956	930	938	930	906	825	731	652	613	—
	7	891	906	899	890	898	889	882	840	737	713	665	616	—
	8	882	890	905	914	913	921	904	865	768	635	625	636	—
	9	899	890	905	913	921	921	921	866	822	825	728	635	—
	10	907	906	923	914	914	913	904	852	776	719	642	613	—
	11	902	902	918	933	941	940	890	847	814	776	717	674	—
	12	924	924	923	923	939	947	939	852	809	683	679	555	—
	13	875	866	848	863	863	877	886	872	823	775	709	608	—
	14	890	905	897	904	903	903	886	863	820	739	659	537	—
	15	896	903	919	919	918	926	917	877	805	683	631	610	—
	16	903	903	884	900	908	908	908	836	737	670	596	539	—
	17	889	897	904	911	910	910	910	864	743	642	576	562	—
	18	897	903	920	929	919	928	919	856	773	631	623	553	—
	19	878	895	902	909	917	926	926	867	810	633	548	503	—
	20	881	880	870	860	859	874	866	798	676	609	540	477	—
	21	938	920	885	875	840	770	744	765	686	573	506	464	—
	22	820	811	811	827	859	866	850	798	701	566	502	500	—
	23	853	860	852	860	867	883	883	789	722	662	554	501	—
	24	843	849	879	929	851	900	874	812	712	623	526	506	—
	25	876	891	901	917	908	908	908	827	699	587	514	456	—
	26	868	866	900	917	897	879	888	825	726	580	498	483	—
	27	827	850	874	872	871	888	897	818	659	526	531	529	—
	28	845	852	852	850	842	874	834	799	725	632	509	541	—
	29	898	897	921	913	929	920	920	889	829	763	611	518	—
	30	890	905	905	921	929	929	919	872	816	709	648	582	—
Hourly Means.		886	889	895	901	899	902	895	845	767	671	604	559	—
Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
J U N E.	1	500	557	535	564	617	687	722	768	787	821	844	874	735
	2	566	572	578	586	630	706	758	791	848	854	869	884	764
	3	664	605	602	630	667	740	786	834	870	885	900	900	793
	4	581	706	665	631	660	723	797	817	847	892	924	924	805
	5	651	694	851	894	866	865	864	918	909	933	932	932	852
	6	619	603	608	624	668	765	820	841	870	877	884	892	810
	7	590	614	561	632	639	753	792	811	832	853	875	883	778
	8	618	618	628	630	727	778	820	841	863	892	892	907	796
	9	603	586	585	577	630	694	764	812	863	870	885	900	792
	10	670	691	694	683	757	795	808	828	850	864	879	894	808
	11	669	717	710	699	724	763	819	841	870	878	893	893	822
	12	586	603	646	627	654	716	756	810	839	852	867	875	789
	13	608	600	614	653	669	713	759	807	852	867	883	890	783
	14	548	586	571	588	660	708	759	822	844	891	889	880	777
	15	565	558	575	630	645	715	752	792	851	872	880	887	780
	16	532	530	607	614	648	721	775	808	807	836	874	881	764
	17	531	656	636	657	707	738	775	808	821	858	881	872	777
	18	612	626	607	613	677	731	733	750	778	812	841	880	771
	19	532	541	588	587	654	721	781	815	830	822	867	890	764
	20	593	591	587	624	645	654	704	772	798	819	848	939	740
	21	459	486	550	596	638	699	743	763	820	826	849	831	718
	22	477	547	550	530	637	685	736	783	826	832	855	845	717
	23	492	537	604	622	657	670	730	757	779	814	806	820	732
	24	530	553	513	540	563	645	700	740	774	817	846	861	724
	25	509	602	580	617	641	689	719	774	823	822	837	844	744
	26	457	455	526	556	551	623	689	734	754	790	804	812	712
	27	495	536	532	559	620	661	697	740	767	788	794	839	715
	28	609	606	635	640	665	735	782	823	830	837	867	882	753
	29	641	628	617	625	654	728	782	809	831	845	852	874	787
	30	604	651	641	678	719	776	804	803	823	853	868	867	796
Hourly Means.		570	595	607	624	663	720	764	800	829	849	866	878	770

DIRECTION OF THE WIND.

Mean Batavia Time.	1 A. M.	2	3	4	5	6	7	8	9	10	11	12
J U N E.	1	C	C	C	C	C	C	C	SSE	ESE	ESE	E
	2	C	C	C	C	C	C	E	ESE	E	ENE	ENE
	3	C	C	C	SE	C	C	C	SSE	E	E	ENE
	4	C	C	C	C	C	C	C	SE	E	ESE	NE
	5	C	C	C	C	C	C	C	C	SE	ESE	ENE
	6	C	C	C	C	C	C	NE	SE	SE	ESE	E
	7	C	C	C	C	C	ESE	SE	ESE	ESE	ESE	E
	8	C	C	C	C	C	C	C	ESE	ESE	E	ESE
	9	ESE	SE	C	C	C	C	C	C	SE	ESE	E
	10	C	C	C	C	C	C	SE	SSW	SSW	WSW	E
	11	C	C	C	C	C	C	C	NE	SSW	ESE	ENE
	12	C	C	C	C	C	C	C	NNE	N	S	E
	13	C	NE	SE	C	C	C	C	C	C	SSE	SSW
	14	C	C	C	C	NNE	NNE	C	C	C	NE	E
	15	C	C	C	C	C	C	NE	C	NE	ENE	E
	16	C	C	NE	C	C	C	ESE	SSE	SE	ESE	E
	17	C	C	C	C	C	C	ENE	SSE	SSE	SE	ESE
	18	C	C	C	C	C	C	E	SE	S	ENE	ENE
	19	C	C	C	C	C	C	ENE	C	SSE	SSE	ENE
	20	C	NE	SSE	C	C	C	SSE	S	S	SSW	SSE
	21	NE	NE	NE	NE	NE	SSE	SSE	SSE	SE	SE	SE
	22	NE	ENE	ENE	C	C	C	ENE	ESE	E	E	ENE
	23	C	C	NE	SE	C	C	SE	SSE	SSE	SSE	S
	24	C	C	C	C	C	C	NE	E	E	E	SE
	25	C	C	ENE	ENE	C	C	C	E	SSE	SE	SE
	26	C	C	C	C	C	C	C	SSE	SSE	SE	E
	27	ESE	C	C	C	C	C	C	SSE	SE	ESE	E
	28	C	C	C	C	C	C	SSE	SSE	SW	W	ENE
	29	C	C	C	C	C	C	C	C	E	ENE	ENE
	30	C	C	C	C	C	C	ENE	C	SSE	E	E

Mean Batavia Time.	1 P. M.	2	3	4	5	6	7	8	9	10	11	12
J U N E.	1	ENE	ENE	ENE	E	E	ENE	C	C	C	C	C
	2	ENE	ENE	ENE	ENE	ENE	ENE	C	C	C	C	C
	3	NE	ENE	ENE	E	ENE	E	C	C	C	C	C
	4	ENE	NNE	NNE	NE	NE	NE	C	C	C	C	C
	5	NE	NNE	SE	NE	NE	C	C	C	C	C	NE
	6	ENE	ENE	ENE	ENE	E	E	C	C	C	C	C
	7	ENE	ENE	ENE	ENE	ENE	ENE	E	C	C	C	C
	8	ESE	E	ENE	ENE	ENE	E	ESE	C	C	C	C
	9	E	ENE	ENE	ENE	ENE	ENE	C	C	C	C	C
	10	NE	NE	NNE	NE	ENE	NE	C	C	C	C	C
	11	ENE	NNE	NE	NE	NNE	C	C	C	C	C	C
	12	ENE	E	NE	NE	NE	C	C	C	C	C	C
	13	NE	NE	NE	NNE	NNE	C	C	C	C	C	C
	14	ENE	NE	NNE	NE	NE	C	C	C	C	C	C
	15	N	NE	NNE	NE	NE	C	C	C	C	C	C
	16	ENE	ENE	NNE	NE	ENE	ENE	C	C	C	C	C
	17	NE	NE	NNE	NE	ENE	E	C	C	C	C	C
	18	NE	NNE	NE	ENE	ENE	ENE	C	C	C	C	C
	19	NNE	NE	NE	NE	NE	C	C	C	C	C	C
	20	NNE	NE	NNE	NE	NE	C	C	C	C	C	NE
	21	ENE	NNE	NNE	NNE	NE	C	C	C	C	C	C
	22	ENE	NNE	NNE	NE	NE	NE	C	C	C	C	C
	23	E	NE	NE	ENE	NE	C	C	C	C	C	C
	24	NNE	NE	NE	NNE	NE	C	C	C	C	C	C
	25	NE	N	NNE	NE	ENE	E	C	C	C	C	C
	26	E	E	ENE	ENE	ENE	E	C	ESE	ESE	C	C
	27	E	E	ENE	E	ENE	ENE	ESE	ESE	SE	SSE	SSE
	28	NNE	NNE	NE	NE	NE	ENE	C	C	C	C	C
	29	NE	NE	NE	ENE	NE	ENE	C	C	C	C	C
	30	NNE	NNE	NNE	NE	NE	ENE	C	C	C	C	C

VELOCITY OF THE WIND IN KILOMETERS PER HOUR.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
JUNE.	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	8.9	14.5	15.3	—
	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	4.0	6.4	8.9	10.5	—
	3	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.8	4.8	8.0	11.3	—
	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	4.8	4.8	7.2	—
	5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	4.8	10.5	—
	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	2.4	8.9	10.5	13.7	—
	7	0.0	0.0	0.0	0.0	0.0	0.8	4.8	7.2	13.7	16.1	14.5	15.3	—
	8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.6	16.9	15.3	13.7	—
	9	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	10.5	14.5	—
	10	0.0	0.0	0.0	0.0	0.0	0.0	0.8	3.2	4.0	1.6	4.0	7.2	—
	11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.6	2.4	6.4	5.6	—
	12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	2.4	3.2	2.4	4.8	—
	13	0.0	0.8	1.6	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	3.2	—
	14	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.0	0.0	2.4	3.2	4.8	—
	15	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.0	1.6	3.2	4.0	5.6	—
	16	0.0	0.0	0.8	0.0	0.0	0.0	1.6	1.6	5.6	7.2	12.9	11.3	—
	17	0.0	0.0	0.0	0.0	0.0	0.0	0.8	2.4	5.6	8.9	9.7	8.0	—
	18	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	3.2	4.0	5.6	8.0	—
	19	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.0	0.8	1.6	6.4	8.9	—
	20	0.0	1.6	1.6	0.0	0.0	0.0	1.6	2.4	4.0	6.4	6.4	8.9	—
	21	0.8	0.8	0.8	0.8	1.6	0.8	0.8	1.6	1.6	3.2	4.8	5.6	—
	22	0.8	1.6	1.6	0.0	0.0	0.0	0.8	3.2	1.6	4.8	8.0	8.0	—
	23	0.0	0.0	1.6	0.8	0.0	0.0	0.8	2.4	3.2	3.2	6.4	4.0	—
	24	0.0	0.0	0.0	0.0	0.0	0.0	1.6	4.8	4.0	3.2	5.6	8.0	—
	25	0.0	0.0	0.8	0.8	0.0	0.0	0.0	1.6	4.8	5.6	6.4	9.7	—
	26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	1.6	5.6	9.7	12.1	—
	27	0.8	0.0	0.0	0.0	0.0	0.0	0.0	1.6	6.4	14.5	16.9	16.1	—
	28	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.6	1.6	1.6	7.2	13.7	—
	29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	5.6	8.0	9.7	—
	30	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.0	4.0	6.4	8.0	12.1	—
Hourly Means.		0.11	0.19	0.29	0.11	0.08	0.08	0.61	1.33	2.99	5.57	7.85	9.58	—
Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
JUNE.	1	18.5	15.3	16.9	12.9	8.0	2.4	0.0	0.0	0.0	0.0	0.0	0.0	4.76
	2	12.9	16.1	12.1	8.9	4.8	1.6	1.6	0.0	0.0	0.0	0.0	0.0	3.69
	3	11.3	12.1	12.9	9.7	6.4	4.0	0.8	0.0	0.0	0.0	0.0	0.0	3.45
	4	7.2	12.9	14.5	13.7	8.9	0.8	0.0	0.0	0.0	0.0	0.0	0.0	3.18
	5	12.1	12.9	8.0	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.8	2.21
	6	15.3	14.5	17.7	17.7	10.5	3.2	0.8	0.0	0.0	0.0	0.0	0.0	4.83
	7	12.9	15.3	15.3	16.9	9.7	3.2	2.4	0.8	0.0	0.0	0.0	0.0	6.20
	8	12.9	17.7	20.9	16.9	11.3	8.9	4.8	2.4	0.0	0.0	0.0	0.0	6.14
	9	16.1	16.9	16.1	12.9	9.7	3.2	2.4	0.0	0.0	0.0	0.0	0.0	4.46
	10	13.7	12.9	12.1	12.9	8.0	2.4	0.0	0.0	0.0	0.0	0.0	0.0	3.45
	11	8.0	11.3	12.1	7.2	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.44
	12	2.4	4.8	11.3	9.7	7.2	1.6	0.0	0.0	0.0	0.0	0.0	0.0	2.11
	13	4.8	8.0	9.7	4.0	2.4	0.8	0.0	0.0	0.0	0.0	0.0	0.0	1.60
	14	7.2	7.2	8.9	6.4	4.0	1.6	0.0	0.0	0.0	0.0	0.0	0.0	2.00
	15	8.0	9.7	8.0	8.9	8.0	2.4	0.0	0.0	0.0	0.0	0.0	0.0	2.51
	16	12.1	12.9	12.1	11.3	9.7	3.2	0.0	0.0	0.0	0.0	0.0	0.0	4.26
	17	12.9	12.9	12.9	13.7	9.7	6.4	3.2	0.0	0.0	0.0	0.0	0.0	4.46
	18	10.5	12.1	12.1	10.5	6.4	0.8	1.6	0.8	0.0	0.0	0.0	0.0	3.22
	19	11.3	11.3	10.5	8.9	6.4	2.4	0.0	0.0	0.0	0.0	0.0	0.0	2.89
	20	12.1	11.3	12.1	11.3	6.4	0.8	0.0	0.0	0.0	0.0	0.0	0.8	3.65
	21	10.5	12.1	12.1	13.7	7.2	1.6	0.0	0.0	0.0	0.0	0.0	0.0	3.35
	22	9.7	11.3	12.1	13.7	12.1	7.2	0.8	0.0	0.0	0.0	0.0	0.0	4.05
	23	4.8	14.5	15.3	13.7	5.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0	3.25
	24	10.5	12.1	11.3	11.3	7.2	1.6	0.0	0.0	0.0	0.0	0.0	0.0	3.38
	25	9.7	9.7	12.1	11.3	8.0	4.8	0.8	0.0	0.0	0.0	0.0	0.0	3.59
	26	12.1	11.3	16.9	14.5	12.1	8.9	3.2	2.4	1.6	1.6	0.0	0.0	4.83
	27	15.3	12.9	11.3	12.1	9.7	1.6	1.6	2.4	3.2	1.6	0.8	0.8	5.40
	28	15.3	14.5	15.3	12.9	11.3	4.8	1.6	0.0	0.0	0.0	0.0	0.0	4.26
	29	14.5	12.9	16.9	14.5	9.7	4.0	0.8	0.0	0.0	0.0	0.0	0.0	4.13
	30	10.5	13.7	15.3	15.3	13.7	6.4	1.6	0.0	0.0	0.0	0.0	0.0	4.49
Hourly Means.		11.17	12.44	13.16	11.63	7.96	3.07	0.93	0.29	0.16	0.11	0.03	0.08	3.74

CLOUDS.

CLEAR = 0. — OVERCAST = 10.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
J U N E.	1	4	2	4	3	2	4	2	1	1	3	2	1	—
	2	2	3	5	3	3	4	2	3	3	2	2	2	—
	3	2	5	6	5	8	7	6	7	8	8	7	7	—
	4	3	2	2	9	9	9	6	5	4	3	2	4	—
	5	7	8	8	6	6	4	6	8	7	7	5	7	—
	6	6	5	4	5	4	4	2	1	4	6	5	4	—
	7	2	4	4	4	2	5	4	3	3	8	7	4	—
	8	3	4	4	5	5	7	5	5	1	2	4	5	—
	9	7	7	7	8	2	3	6	6	6	7	5	8	—
	10	2	2	4	3	3	2	6	6	4	3	2	2	—
	11	6	8	8	9	10	6	2	1	3	4	4	6	—
	12	3	1	1	2	4	7	1	3	10	8	6	5	—
	13	5	4	3	3	4	5	5	5	9	8	8	5	—
	14	7	9	7	7	5	6	9	8	7	6	5	5	—
	15	2	2	3	3	2	2	3	3	2	2	5	6	—
	16	5	6	7	5	7	6	4	6	6	7	3	2	—
	17	5	3	2	2	3	4	3	4	3	4	2	4	—
	18	3	4	3	2	2	4	1	0	1	0	1	4	—
	19	5	3	3	2	3	6	2	0	0	0	0	2	—
	20	7	4	2	2	3	2	3	2	2	1	2	6	—
	21	5	5	6	5	5	4	2	4	2	6	6	7	—
	22	8	3	5	2	2	6	5	3	4	3	3	2	—
	23	3	5	2	3	3	5	1	0	0	1	1	0	—
	24	5	6	5	3	3	6	3	4	2	2	0	2	—
	25	7	7	8	6	4	2	3	3	1	2	3	5	—
	26	5	6	4	6	5	4	1	2	2	4	6	6	—
	27	1	0	0	0	2	6	4	6	6	5	8	5	—
	28	2	2	3	3	3	4	0	0	0	0	1	2	—
	29	9	5	3	6	2	6	5	5	3	2	3	3	—
	30	8	8	6	6	4	2	4	2	3	4	5	5	—
Hourly Means.		4.6	4.4	4.3	4.3	4.0	4.7	3.5	3.5	3.6	3.9	3.8	4.2	—
Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
J U N E.	1	3	3	2	1	2	4	4	3	3	2	2	4	2.6
	2	4	3	2	1	1	3	3	2	2	6	5	5	3.0
	3	7	5	4	3	1	3	4	3	2	2	3	3	4.8
	4	6	7	7	8	9	8	6	7	10	10	10	10	6.5
	5	7	6	10	10	8	8	2	1	1	3	3	4	5.9
	6	5	7	6	3	2	3	3	4	4	5	3	4	4.1
	7	6	4	3	6	2	3	3	2	5	5	3	3	4.0
	8	8	6	9	6	5	5	6	7	7	4	3	3	5.0
	9	5	3	2	2	1	3	2	3	3	8	5	3	4.7
	10	3	5	5	6	7	4	2	5	5	8	6	4	4.1
	11	7	6	6	5	5	6	6	5	5	5	6	5	5.6
	12	6	4	4	6	7	7	7	6	5	5	5	3	4.8
	13	7	6	5	6	6	6	4	3	3	2	2	2	4.8
	14	7	7	6	5	4	3	4	5	6	6	6	6	6.1
	15	3	3	2	4	5	5	2	2	2	1	2	2	2.8
	16	5	3	2	2	2	3	3	4	2	3	3	2	4.1
	17	6	7	7	4	3	6	3	2	2	3	2	2	3.6
	18	4	3	4	3	3	4	6	8	4	4	2	2	3.0
	19	2	2	1	1	0	2	3	6	9	6	8	6	3.0
	20	6	5	1	1	2	5	6	8	3	0	0	0	3.0
	21	5	5	5	3	3	4	7	7	5	3	3	6	4.7
	22	2	2	3	1	3	3	4	2	1	0	3	3	3.0
	23	4	0	2	0	0	2	4	3	6	6	7	8	2.8
	24	6	3	2	2	1	3	6	7	5	4	3	5	3.7
	25	5	4	3	3	7	3	2	0	0	1	1	3	3.5
	26	5	6	3	2	2	3	4	4	5	3	2	2	3.8
	27	6	6	7	5	3	3	6	3	3	1	2	0	3.7
	28	2	1	0	1	0	1	4	6	8	6	8	8	2.7
	29	3	2	0	0	0	2	6	10	8	9	6	6	4.3
	30	3	3	2	0	0	2	3	3	10	6	3	1	3.9
Hourly Means.		4.9	4.2	3.8	3.3	3.1	3.9	4.2	4.4	4.5	4.2	3.9	3.8	4.04

BAROMETRIC PRESSURE.

BAROMETER AT 0°C = 750 MILLIMETRES + THE NUMBERS IN THE TABLE.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
JULY.	1	10.13	9.74	9.48	9.35	9.54	9.85	10.05	10.60	10.68	10.48	9.99	9.49	—
	2	10.71	10.44	10.03	10.06	10.14	10.51	11.04	11.59	11.73	11.50	11.04	10.37	—
	3	11.14	10.61	10.49	10.65	10.73	11.04	11.40	11.84	11.90	11.68	11.19	10.52	—
	4	11.32	11.20	10.94	10.79	10.93	11.21	11.42	11.72	11.69	11.25	10.77	10.07	—
	5	10.49	10.39	10.23	10.24	10.41	10.64	11.38	11.95	11.93	11.64	11.18	10.89	—
	6	11.04	10.81	10.56	10.59	10.69	10.96	10.96	11.37	11.63	11.54	11.08	10.26	—
	7	10.75	10.52	10.22	10.03	10.39	10.56	11.20	11.41	11.83	11.68	11.07	10.49	—
	8	11.36	11.01	10.70	10.40	10.69	11.00	11.39	11.86	12.26	12.08	11.72	10.98	—
	9	11.29	11.03	10.85	10.78	10.96	11.25	11.80	12.42	12.59	12.35	11.85	11.33	—
	10	11.18	10.95	10.43	10.47	10.61	11.04	11.71	12.05	12.22	11.96	11.47	10.83	—
	11	10.84	10.41	9.97	9.79	9.96	10.14	10.37	10.79	10.69	10.45	9.78	9.05	—
	12	10.01	9.69	9.20	9.31	9.36	9.86	10.24	10.75	10.74	10.60	10.13	9.39	—
	13	9.40	9.05	9.07	9.16	9.53	9.64	9.99	10.22	10.41	10.18	9.64	8.93	—
	14	9.55	9.16	9.14	8.97	8.97	9.20	9.58	10.05	10.24	10.02	9.71	9.14	—
	15	9.72	9.54	9.15	9.17	9.36	9.38	10.08	10.56	10.55	10.67	10.05	9.49	—
	16	9.68	9.06	8.74	8.87	9.07	9.28	9.59	10.06	10.20	9.78	9.30	8.63	—
	17	8.75	8.59	8.19	8.09	8.27	8.55	8.71	9.13	9.26	8.91	8.53	7.54	—
	18	8.96	8.55	8.24	8.37	8.46	8.77	9.03	9.18	9.15	8.74	8.33	7.62	—
	19	9.45	9.09	8.86	8.66	8.80	9.07	9.61	10.25	10.19	9.73	9.23	8.53	—
	20	9.78	9.34	9.02	9.07	9.23	9.50	10.18	10.66	11.10	10.85	10.35	9.67	—
	21	9.69	9.27	9.03	9.18	9.38	9.58	9.78	10.06	10.00	9.68	9.08	8.24	—
	22	9.14	9.09	8.92	8.86	8.90	9.38	9.92	10.17	9.94	9.59	8.75	7.65	—
	23	9.41	9.30	9.16	9.04	9.19	9.44	9.84	10.24	10.31	9.78	9.16	8.63	—
	24	10.00	9.78	9.74	9.70	10.21	10.75	11.28	11.66	11.93	11.75	11.24	10.61	—
	25	11.34	10.96	10.75	10.56	10.67	10.76	11.45	11.72	12.04	11.79	11.48	10.86	—
	26	11.04	10.85	10.40	10.36	10.44	10.68	10.49	10.78	11.30	11.17	10.66	9.79	—
	27	10.14	9.71	9.71	9.38	9.56	9.59	10.22	10.54	10.65	10.23	9.65	9.03	—
	28	9.22	9.00	8.65	8.57	8.76	9.07	9.55	10.03	10.19	10.13	9.96	9.42	—
	29	9.30	9.06	8.81	8.65	8.82	9.00	9.76	10.15	10.43	10.15	9.88	9.43	—
	30	9.20	9.11	8.99	8.97	9.20	9.28	9.68	10.31	10.38	10.07	9.68	9.03	—
	31	9.01	8.56	8.28	8.51	8.78	9.03	9.18	9.48	9.55	9.35	8.88	8.17	—
Hourly Means.		10.10	9.80	9.55	9.50	9.68	9.94	10.35	10.76	10.89	10.64	10.16	9.49	—
Mean Batavia Time.	1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.	
JULY.	1	9.38	8.58	8.21	8.07	8.28	8.61	9.06	9.59	10.00	10.52	10.72	10.90	9.64
	2	9.52	9.11	8.93	8.86	9.13	9.36	10.24	10.68	11.10	11.35	11.45	11.40	10.43
	3	9.97	9.41	9.12	9.03	9.32	9.82	10.43	11.08	11.59	11.89	11.63	11.63	10.75
	4	9.44	9.07	8.68	8.39	8.77	9.39	9.87	10.51	11.00	11.12	11.14	11.12	10.49
	5	10.37	10.06	9.56	9.51	9.69	9.96	10.48	11.14	11.47	11.62	11.35	11.34	10.75
	6	9.68	9.11	8.93	8.93	8.87	9.16	9.76	10.35	10.70	10.79	10.82	10.88	10.39
	7	9.77	9.04	8.77	8.82	9.08	9.38	10.33	10.96	11.64	11.70	11.49	11.59	10.53
	8	10.49	9.63	9.26	9.37	9.64	10.04	10.32	10.87	11.25	11.50	11.30	11.29	10.85
	9	10.54	9.93	9.54	9.57	9.74	10.32	10.69	11.40	11.68	11.85	11.91	11.86	11.14
	10	10.01	9.24	9.01	9.13	9.31	9.87	10.23	10.67	11.04	11.25	11.21	11.25	10.71
	11	8.37	7.81	7.61	7.53	7.63	8.09	9.00	9.78	10.18	10.23	10.39	10.41	9.55
	12	8.53	8.09	7.39	7.14	7.32	7.59	8.55	9.28	9.53	9.73	9.67	9.64	9.24
	13	8.47	7.77	7.44	7.33	7.52	7.90	8.15	8.74	9.17	9.55	9.58	9.78	9.03
	14	8.34	7.77	7.41	7.33	7.64	8.21	8.68	9.16	9.51	9.68	9.73	10.02	9.05
	15	9.01	8.26	7.82	7.64	8.06	8.29	8.67	9.17	9.70	9.88	9.92	9.84	9.33
	16	8.21	7.94	7.36	7.08	7.37	7.53	7.93	8.35	8.63	8.85	8.85	9.01	8.72
	17	6.71	6.32	6.04	6.09	6.38	6.95	7.90	8.53	9.00	9.29	9.27	9.01	8.08
	18	7.29	6.79	6.63	6.48	6.86	7.40	7.63	8.33	8.75	9.15	9.26	9.37	8.22
	19	7.82	7.21	6.88	7.02	7.32	7.74	8.62	9.03	9.62	9.98	9.93	10.04	8.86
	20	9.38	8.76	8.34	8.13	8.38	8.56	9.03	9.37	9.68	9.98	9.93	9.97	9.51
	21	7.76	7.28	7.11	7.21	7.51	7.81	8.40	8.93	9.28	9.39	9.63	9.47	8.86
	22	6.64	5.79	5.57	5.78	6.13	6.45	7.28	7.99	8.70	9.01	9.27	9.40	8.26
	23	7.89	7.32	6.99	7.11	7.67	7.97	8.56	8.91	9.32	9.73	10.00	9.98	8.96
	24	10.13	9.67	9.41	9.44	9.58	9.96	10.54	11.08	11.73	11.91	12.03	12.01	10.68
	25	10.12	9.47	8.92	8.87	9.23	9.84	10.17	10.81	11.14	11.62	11.55	11.53	10.74
	26	9.49	8.86	8.24	8.01	8.14	8.46	9.00	9.36	9.90	10.25	10.19	10.19	9.92
	27	8.39	7.74	7.38	7.39	7.33	7.75	8.68	9.13	9.56	9.94	9.94	9.68	9.22
	28	8.83	8.13	7.35	7.20	7.46	7.86	8.34	8.99	9.21	9.40	9.57	9.35	8.93
	29	8.88	8.41	8.01	7.93	8.03	8.26	8.67	9.16	9.47	9.67	9.73	9.64	9.14
	30	8.76	8.07	7.43	7.53	7.61	7.78	8.42	8.88	9.40	9.67	9.50	9.30	9.01
	31	7.86	7.18	6.76	6.52	6.86	7.31	7.85	8.45	9.00	9.35	9.25	9.01	8.42
Hourly Means.		8.90	8.32	7.94	7.88	8.12	8.50	9.08	9.63	10.06	10.32	10.33	10.32	9.59

STANDARD THERMOMETER.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
JULY.	1	76.1	75.6	75.4	74.6	74.5	74.0	74.8	77.3	81.0	82.6	86.4	87.5	—
	2	73.9	73.9	73.3	73.3	72.4	72.0	71.7	73.7	77.5	80.1	84.7	87.1	—
	3	72.8	72.6	72.8	72.3	71.6	70.8	71.0	74.2	78.2	82.4	84.8	87.1	—
	4	74.4	74.0	73.0	72.6	72.0	71.6	71.3	74.2	78.7	82.0	84.8	87.2	—
	5	74.4	74.0	74.3	73.7	73.0	72.4	73.0	75.5	80.5	83.0	85.0	86.2	—
	6	74.4	74.0	73.7	73.3	72.2	71.5	72.0	74.8	78.6	81.2	82.6	84.5	—
	7	76.6	76.8	76.8	76.4	75.7	75.0	74.8	77.1	80.5	82.2	84.6	84.9	—
	8	73.7	72.7	72.1	71.7	71.1	70.3	70.2	72.0	77.4	80.2	82.8	84.4	—
	9	74.2	73.7	73.0	72.8	71.7	70.8	71.3	73.8	77.7	81.0	83.6	85.0	—
	10	73.4	72.4	71.8	71.0	70.1	69.1	69.0	71.8	77.1	80.2	82.8	85.0	—
	11	73.7	73.5	72.0	71.6	71.0	70.4	70.5	73.1	77.1	80.1	82.6	84.6	—
	12	74.1	73.1	73.0	72.4	72.2	71.4	71.3	74.0	78.6	81.3	83.7	85.1	—
	13	75.2	74.7	74.1	73.6	72.9	72.3	72.1	74.4	78.4	81.4	84.5	86.3	—
	14	76.4	75.8	74.8	74.1	73.8	73.3	73.8	76.1	80.3	82.9	85.3	87.3	—
	15	76.0	75.2	74.2	73.3	73.5	73.7	74.0	75.3	77.5	79.0	83.8	85.4	—
	16	76.2	76.2	75.7	75.3	74.6	74.0	74.4	76.5	78.9	82.1	85.0	86.5	—
	17	77.0	76.2	75.3	74.4	73.9	73.9	74.1	76.1	79.0	81.5	83.9	84.7	—
	18	76.8	76.1	75.6	75.6	74.9	74.3	74.1	76.7	80.0	83.2	85.8	87.6	—
	19	74.5	73.6	73.2	72.4	72.2	72.0	72.0	74.5	78.7	83.2	85.8	86.2	—
	20	75.7	75.0	74.3	74.1	72.8	72.4	73.0	75.7	79.5	82.0	84.1	86.0	—
	21	76.0	75.2	74.0	73.6	73.8	73.8	74.6	76.3	79.2	82.8	85.0	86.8	—
	22	75.9	74.7	73.7	73.0	72.0	71.8	71.6	74.5	77.7	81.0	83.1	85.5	—
	23	71.9	71.2	70.4	69.0	68.8	68.3	68.7	72.0	76.7	81.8	85.0	86.9	—
	24	76.0	75.8	75.3	74.5	74.0	73.2	73.6	76.1	80.2	82.4	84.6	85.6	—
	25	74.3	73.6	73.0	71.7	71.1	70.3	70.2	72.8	77.0	81.7	85.5	86.5	—
	26	75.0	75.0	74.5	74.1	73.0	72.1	72.5	75.3	79.7	83.2	85.7	88.0	—
	27	75.6	75.0	74.3	73.5	73.0	72.5	72.6	75.6	79.8	82.6	85.1	87.1	—
	28	75.7	75.0	74.7	74.1	73.8	73.8	74.0	76.9	80.2	83.4	85.7	87.1	—
	29	77.5	76.0	75.0	75.0	74.4	73.4	73.8	76.6	80.0	83.6	86.6	87.6	—
	30	75.8	74.6	74.0	73.2	72.6	72.3	73.0	76.1	80.0	83.0	85.2	88.1	—
	31	75.0	74.3	73.6	73.0	72.6	71.6	72.0	74.9	79.0	81.7	84.4	85.5	—
Hourly Means.		75.10	74.50	73.90	73.33	72.75	72.20	72.42	74.97	78.86	81.90	84.60	86.24	—
Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
JULY.	1	88.0	88.3	88.0	86.9	85.0	82.4	80.0	78.4	77.2	76.4	75.1	74.5	80.00
	2	87.5	88.2	87.6	86.7	84.7	82.4	80.0	78.4	77.1	76.4	75.0	74.0	78.82
	3	88.3	87.0	87.0	86.0	83.7	81.7	80.7	78.7	78.2	77.4	76.4	75.4	78.80
	4	87.2	86.0	85.8	84.0	83.1	81.7	80.6	80.0	79.0	78.5	76.7	75.5	78.92
	5	86.6	84.8	84.6	84.2	83.0	81.6	80.2	79.0	77.4	77.2	76.6	75.6	78.99
	6	85.9	85.0	84.0	83.0	82.3	81.0	80.0	78.8	78.6	77.6	76.8	76.6	78.44
	7	85.2	84.9	84.2	83.7	82.3	81.5	80.7	79.0	76.5	75.7	74.7	74.0	79.32
	8	81.5	81.3	84.0	83.0	81.6	80.8	80.1	79.4	78.5	77.7	76.5	75.3	77.68
	9	85.0	85.4	84.2	83.9	82.4	81.0	79.3	77.6	76.8	75.5	74.6	74.0	77.85
	10	86.0	86.2	86.1	83.4	81.9	80.6	79.6	77.7	76.1	76.0	75.8	74.8	77.42
	11	85.7	87.0	85.2	83.2	82.0	81.0	79.7	78.9	78.3	76.9	76.7	75.8	77.95
	12	86.2	85.0	85.3	84.3	82.8	81.2	79.8	78.4	77.4	77.0	76.7	75.7	78.33
	13	86.5	85.9	86.0	84.0	83.1	81.4	80.6	80.0	79.0	78.0	77.7	77.3	79.14
	14	87.0	86.7	85.9	85.0	83.5	81.8	80.9	79.9	79.2	78.4	77.9	77.5	79.91
	15	85.2	85.8	84.3	83.7	82.3	81.3	80.3	79.3	79.1	78.3	77.1	76.3	78.91
	16	87.5	86.2	86.0	85.7	84.2	83.0	81.7	80.5	80.0	79.8	79.0	78.2	80.30
	17	86.3	84.7	85.1	83.5	82.1	81.1	80.8	80.2	80.0	79.2	79.0	78.5	79.60
	18	84.9	84.1	84.0	84.0	83.2	81.9	80.5	79.1	77.7	76.7	75.9	75.3	79.50
	19	85.4	86.7	86.0	85.4	83.7	82.3	81.1	79.1	78.0	77.0	76.5	76.0	78.98
	20	85.4	85.7	86.0	85.0	83.0	81.8	80.5	78.8	78.4	77.0	76.2	76.2	79.11
	21	87.2	87.8	85.1	84.4	83.0	82.0	80.7	80.0	79.7	79.2	78.2	77.6	79.83
	22	88.3	88.7	85.9	83.5	82.3	81.1	79.9	78.0	76.6	75.3	74.5	73.2	78.41
	23	86.8	85.0	84.5	83.5	82.1	80.6	79.7	79.1	78.1	77.1	77.1	76.7	77.54
	24	84.0	85.5	84.8	83.6	82.5	80.8	79.5	78.1	77.3	76.6	75.7	74.9	78.95
	25	86.4	86.2	87.0	86.8	85.2	82.8	81.3	80.2	79.3	77.3	76.1	75.7	78.83
	26	86.1	85.5	85.0	85.0	84.0	82.2	80.7	79.6	78.5	77.9	77.0	75.8	79.40
	27	85.5	85.3	84.9	84.3	82.8	81.7	81.0	80.1	80.0	78.6	77.6	76.2	79.36
	28	86.0	87.4	86.5	85.5	84.0	82.3	81.1	79.7	78.8	78.5	78.1	77.9	80.01
	29	86.5	85.7	85.1	84.9	83.9	82.0	80.5	79.1	78.3	77.0	76.8	76.4	79.82
	30	86.0	86.4	86.4	85.4	83.7	81.8	80.4	79.5	78.7	77.7	77.3	76.3	79.48
	31	85.0	85.5	85.3	84.5	83.2	81.8	80.7	80.2	79.6	79.2	78.9	78.1	79.15
Hourly Means.		86.19	86.03	85.48	84.52	83.12	81.63	80.41	79.19	78.30	77.45	76.72	75.98	78.99

RELATIVE HUMIDITY OF THE AIR.

SATURATION = 1000.

Mean Batavia Time.	1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—	
JULY.	1	890	898	889	897	897	912	913	844	732	696	600	563	—
	2	903	912	903	903	902	910	918	895	774	745	612	538	—
	3	894	910	902	910	909	926	900	853	783	682	606	537	—
	4	870	878	894	893	901	901	909	845	763	694	613	557	—
	5	879	887	879	903	911	928	911	864	695	631	571	545	—
	6	896	896	895	895	902	909	910	846	755	691	635	573	—
	7	891	883	891	899	872	831	839	819	738	688	624	645	—
	8	877	893	909	901	908	898	907	884	743	715	643	585	—
	9	896	903	911	920	927	908	891	853	744	664	562	516	—
	10	861	842	874	900	898	897	870	815	712	645	565	510	—
	11	878	853	893	901	900	890	908	868	742	645	525	501	—
	12	853	877	868	893	884	891	882	853	763	677	634	553	—
	13	872	897	904	920	902	902	892	854	739	685	599	516	—
	14	866	864	897	896	887	903	887	817	681	610	553	522	—
	15	833	855	870	894	903	912	921	872	781	741	596	548	—
	16	882	873	881	889	904	904	888	802	733	632	538	522	—
	17	804	825	847	854	869	878	870	825	733	666	615	605	—
	18	850	856	889	889	904	930	930	865	736	579	501	461	—
	19	871	877	877	902	893	892	901	839	778	644	551	558	—
	20	864	880	888	887	902	919	894	832	757	694	622	580	—
	21	865	889	912	921	895	878	821	825	749	609	582	519	—
	22	833	839	861	860	866	866	866	726	677	568	547	549	—
	23	874	882	854	861	888	896	888	797	673	515	417	365	—
	24	808	816	840	862	870	886	895	833	611	614	617	518	—
	25	813	837	852	874	900	899	907	809	719	585	483	470	—
	26	823	823	830	837	860	867	859	815	679	618	573	537	—
	27	848	855	870	886	894	910	885	832	692	654	565	545	—
	28	873	863	879	887	903	903	903	875	774	652	597	562	—
	29	836	857	880	872	888	903	903	850	708	620	560	489	—
	30	873	888	896	911	919	919	894	833	730	651	576	514	—
	31	888	896	911	920	919	918	909	855	726	686	611	571	—
Hourly Means.	863	871	882	892	896	900	893	839	730	651	577	535	—	

Mean Batavia Time.	1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.	
JULY.	1	549	544	549	590	651	729	780	830	851	866	897	913	770
	2	547	561	552	535	573	633	714	769	812	833	872	887	758
	3	511	580	562	587	653	699	760	807	807	812	842	864	762
	4	603	641	667	706	724	777	804	833	854	854	842	864	787
	5	645	737	630	667	711	741	766	801	835	843	850	872	779
	6	573	665	660	671	688	775	795	816	838	867	883	891	789
	7	665	696	654	719	778	806	797	808	850	840	854	878	790
	8	623	610	660	738	748	768	803	816	838	844	866	889	794
	9	552	529	584	634	613	732	764	790	788	824	839	854	758
	10	539	570	593	671	679	715	749	790	833	825	825	846	751
	11	518	486	515	578	666	696	757	770	768	804	795	816	736
	12	570	625	602	635	670	704	757	777	805	811	826	864	761
	13	599	635	636	680	718	748	768	795	808	836	844	851	775
	14	579	577	586	632	691	749	782	795	793	807	820	835	751
	15	639	648	722	685	736	761	774	794	816	822	859	882	786
	16	523	594	580	591	628	670	741	723	743	742	763	783	730
	17	570	631	625	677	736	747	768	803	810	839	847	854	762
	18	657	609	628	654	671	714	753	793	806	842	849	864	760
	19	692	614	636	628	693	751	733	793	814	843	858	873	771
	20	698	667	655	690	718	735	774	808	814	851	873	873	786
	21	509	524	625	610	617	666	760	758	757	778	807	805	737
	22	397	388	501	612	667	662	699	737	772	807	822	860	708
	23	444	495	541	606	694	716	713	718	746	788	788	795	706
	24	706	541	593	600	628	681	734	768	766	779	801	831	733
	25	516	557	526	536	576	596	649	700	741	780	809	808	706
	26	619	621	638	625	621	688	746	779	807	813	834	848	740
	27	604	596	638	655	689	763	790	811	810	846	852	874	765
	28	617	592	625	628	654	694	761	802	808	814	837	836	764
	29	582	604	614	613	640	707	760	794	807	843	859	858	752
	30	630	631	600	602	685	741	759	785	815	836	843	857	766
	31	638	584	583	623	677	728	782	795	809	823	815	837	771
Hourly Means.	584	592	606	635	674	719	758	786	804	823	838	854	758	

DIRECTION OF THE WIND.

Mean Batavia Time		1 A. M.	2	3	4	5	6	7	8	9	10	11	12
JULY.	1	C	C	C	E	ESE	ESE	ESE	SE	ESE	ESE	ESE	ENE
	2	C	C	C	C	C	C	C	E	ESE	ESE	E	E
	3	C	C	C	C	C	C	C	SSW	SSW	ESE	E	E
	4	C	C	C	C	C	C	C	SSE	SSE	ESE	E	E
	5	C	C	C	C	ENE	C	C	ENE	ESE	E	ENE	ENE
	6	C	NE	C	C	NE	NE	NE	S	SE	SE	ESE	E
	7	C	NE	NE	NE	NE	E	E	E	E	E	ENE	NNE
	8	C	C	C	C	SE	SSE	C	C	ESE	ENE	NNE	NE
	9	C	C	C	C	NE	NE	C	C	ESE	ESE	SSW	E
	10	C	C	C	C	C	ENE	SE	S	S	ESE	E	SSW
	11	C	C	C	C	C	C	C	C	ESE	E	E	E
	12	C	C	C	C	C	C	C	NE	SSE	ESE	E	SSE
	13	C	C	C	C	C	C	C	NE	SE	ENE	ENE	NE
	14	C	C	C	C	C	C	E	ESE	ESE	ESE	ESE	ENE
	15	WNW	W	WSW	C	C	C	C	WSW	ESE	SE	ESE	ENE
	16	ESE	ESE	C	C	C	C	SE	SSE	ESE	SE	ESE	E
	17	C	SE	SE	C	C	C	C	SE	SSE	S	E	SSE
	18	C	S	C	S	C	C	C	SE	E	SSE	ESE	E
	19	C	C	C	NE	C	C	C	C	ESE	SE	ESE	ENE
	20	C	C	C	C	C	C	C	SSE	SE	S	E	NE
	21	C	C	C	C	ESE	ESE	ESE	C	SE	S	SSW	WSW
	22	C	C	NE	C	NE	NE	E	SSW	SSW	S	W	WSW
	23	C	C	C	C	C	C	NE	SSE	S	S	SE	SW
	24	C	C	C	C	C	C	C	NE	SSE	E	E	E
	25	C	C	C	C	ENE	C	C	C	E	ENE	NE	ENE
	26	C	C	C	C	C	C	C	C	ESE	ENE	E	ENE
	27	C	C	C	C	C	NE	NE	SE	E	ENE	ENE	NE
	28	C	C	C	C	C	C	C	NE	ENE	E	ENE	E
	29	ENE	ENE	ENE	ENE	ENE	C	C	ENE	E	E	E	NE
	30	C	C	C	C	C	C	ENE	ESE	ESE	E	ESE	ENE
	31	C	C	C	C	C	C	ESE	ESE	S	ESE	SE	E

Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12
JULY.	1	E	E	ENE	ENE	E	E	ENE	E	E	C	C	C
	2	E	ENE	ENE	ENE	E	E	E	E	C	C	C	C
	3	E	NNE	NE	NE	NE	NE	C	C	C	C	C	C
	4	NNE	NE	NE	NE	ENE	NE	C	C	C	C	C	C
	5	NE	NE	NNE	NNE	NE	NE	NE	NE	C	C	NE	C
	6	N	NE	NNE	NNE	NE	NE	NE	NE	C	C	C	C
	7	NNE	NNE	NNE	NE	NE	NE	NE	S	C	C	C	C
	8	N	NNE	NNE	NE	NNE	NE	NE	C	C	C	C	C
	9	NNE	NNE	NNE	NE	NE	NE	C	C	C	C	C	C
	10	NE	NNE	NE	NE	N	NNE	C	C	C	C	C	C
	11	E	NE	NE	NE	NNE	NE	C	C	C	C	C	C
	12	NNE	NNE	NNE	NE	NE	NE	C	C	C	C	C	C
	13	N	NNE	NE	NE	ENE	NE	NE	C	E	C	E	E
	14	NNE	NE	NE	ENE	ENE	ENE	E	E	ESE	SE	SE	SE
	15	NE	N	NE	NE	NE	ENE	ENE	C	C	C	C	E
	16	ESE	NNE	NNE	NNE	NE	ENE	ENE	E	C	C	C	C
	17	ENE	NNE	NNE	NE	NNE	NE	NE	NE	NE	NE	NE	E
	18	NNE	NNE	NNE	NE	NE	NE	C	C	C	C	C	C
	19	N	N	NE	NE	NE	ENE	E	E	E	ESE	ESE	ESE
	20	NE	NNE	NE	NE	NE	ENE	ENE	C	C	C	ENE	C
	21	NW	NE	NE	NNE	NNE	NE	C	C	C	C	NE	C
	22	WSW	NNE	NNE	NNE	NNE	NE	C	C	C	C	C	C
	23	NE	NNE	NE	NNE	NE	NE	NE	C	C	C	C	C
	24	NE	ENE	NNE	NE	NE	ENE	ENE	C	C	C	C	C
	25	NE	N	NE	ENE	E	ENE	E	ESE	C	C	C	ESE
	26	NE	NNE	NNE	NE	NE	NE	NE	C	C	C	C	C
	27	NNE	NE	NNE	NE	NE	NE	NE	C	C	NE	C	C
	28	N	N	NNE	NNE	NE	NE	ENE	ENE	C	C	C	ENE
	29	N	NNE	NE	ENE	ENE	ENE	ENE	ENE	ENE	C	C	C
	30	NE	NE	NE	NE	ENE	ENE	E	ESE	C	C	C	C
	31	NE	NNE	NE	NE	NE	ENE	ENE	ENE	C	C	C	C

VELOCITY OF THE WIND IN KILOMETERS PER HOUR.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
JULY.	1	0.0	0.0	0.0	0.8	0.8	0.8	0.8	1.6	12.9	12.1	13.7	13.7	—
	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	2.4	9.7	16.1	17.7	—
	3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.6	6.4	8.9	9.7	—
	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	4.8	7.2	10.5	12.1	—
	5	0.0	0.0	0.0	0.0	0.8	0.0	0.0	1.6	8.0	9.7	9.7	8.9	—
	6	0.0	0.8	0.0	0.0	0.8	0.8	0.8	3.2	5.6	4.0	4.8	4.8	—
	7	0.0	1.6	0.8	0.8	0.8	0.8	0.8	2.4	6.4	5.6	8.0	9.7	—
	8	0.0	0.0	0.0	0.0	0.8	0.8	0.0	0.0	4.8	8.0	6.4	8.9	—
	9	0.0	0.0	0.0	0.0	0.8	0.8	0.0	0.0	4.8	5.6	5.6	2.4	—
	10	0.0	0.0	0.0	0.0	0.0	0.8	1.6	1.6	4.8	3.2	4.0	3.2	—
	11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	4.0	4.0	4.0	—
	12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	2.4	3.2	6.4	4.8	—
	13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	3.2	4.8	7.2	7.2	—
	14	0.0	0.0	0.0	0.0	0.0	0.0	0.8	3.2	8.9	12.9	11.3	10.5	—
	15	0.8	2.4	0.8	0.0	0.0	0.0	0.0	1.6	4.0	6.4	11.3	10.5	—
	16	0.8	0.8	0.0	0.0	0.0	0.0	1.6	4.0	4.8	8.0	11.3	8.0	—
	17	0.0	0.8	0.8	0.0	0.0	0.0	0.0	1.6	5.6	3.2	3.2	3.2	—
	18	0.0	0.8	0.0	0.8	0.0	0.0	0.0	4.0	5.6	8.0	7.2	5.6	—
	19	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	3.2	10.5	12.9	12.1	—
	20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	2.4	3.2	5.6	9.7	—
	21	0.0	0.0	0.0	0.0	1.6	1.6	1.6	0.0	3.2	4.8	3.2	1.6	—
	22	0.0	0.0	0.8	0.0	0.8	1.6	2.4	9.7	6.4	4.0	3.2	3.2	—
	23	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	4.0	8.9	8.0	8.0	—
	24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	8.0	11.3	8.0	8.9	—
	25	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	2.4	8.9	10.5	13.7	—
	26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	9.7	8.0	12.1	—
	27	0.0	0.0	0.0	0.0	0.0	0.8	1.6	3.2	8.0	5.6	6.4	11.3	—
	28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	4.0	8.0	8.0	12.1	—
	29	0.8	0.8	0.8	1.6	0.8	0.0	0.0	2.4	6.4	9.7	10.5	12.9	—
	30	0.0	0.0	0.0	0.0	0.0	0.0	2.4	6.4	11.3	10.5	12.9	12.9	—
	31	0.0	0.0	0.0	0.0	0.0	0.0	0.8	2.4	4.8	6.4	7.2	9.7	—
Hourly Means.		0.08	0.26	0.13	0.15	0.28	0.28	0.52	1.96	5.20	7.21	8.19	8.81	—
Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
JULY.	1	13.7	16.9	20.1	16.1	12.9	8.0	4.8	3.2	0.8	0.0	0.0	0.0	6.40
	2	19.3	17.7	20.1	17.7	13.7	4.8	1.6	0.8	0.0	0.0	0.0	0.0	5.93
	3	10.5	10.5	12.9	14.5	12.1	6.4	0.0	0.0	0.0	0.0	0.0	0.0	3.93
	4	15.3	16.1	16.9	14.5	12.1	5.6	0.0	0.0	0.0	0.0	0.0	0.0	4.90
	5	12.1	15.3	16.1	12.9	11.3	4.8	0.8	0.8	0.0	0.0	0.8	0.0	4.73
	6	5.6	13.7	17.7	16.1	12.1	4.0	0.8	0.8	0.0	0.0	0.0	0.0	4.02
	7	11.3	13.7	16.1	13.7	10.5	4.0	0.8	3.2	0.0	0.0	0.0	0.0	4.63
	8	11.3	13.7	13.7	11.3	6.4	1.6	0.8	0.0	0.0	0.0	0.0	0.0	3.69
	9	6.4	12.9	12.9	14.5	11.3	3.2	0.0	0.0	0.0	0.0	0.0	0.0	3.38
	10	7.2	8.0	11.3	14.5	8.0	3.2	0.0	0.0	0.0	0.0	0.0	0.0	2.98
	11	5.6	7.2	16.9	12.1	10.5	4.0	0.0	0.0	0.0	0.0	0.0	0.0	2.95
	12	4.8	13.7	12.9	15.3	12.1	4.8	0.0	0.0	0.0	0.0	0.0	0.0	3.42
	13	12.9	13.7	16.9	14.5	9.7	4.8	1.6	0.0	0.8	0.0	1.6	0.8	4.19
	14	13.7	16.1	18.5	16.9	13.7	9.7	4.8	2.4	3.2	1.6	1.6	0.8	6.28
	15	9.7	10.5	12.1	12.1	13.7	7.2	1.6	0.0	0.0	0.0	0.0	0.8	4.40
	16	6.4	15.3	12.9	12.9	9.7	4.8	3.2	0.8	0.0	0.0	0.0	0.0	4.39
	17	10.5	14.5	15.3	11.3	7.2	3.2	1.6	1.6	1.6	0.8	1.6	1.6	3.72
	18	12.9	11.3	9.7	9.7	7.2	1.6	0.0	0.0	0.0	0.0	0.0	0.0	3.52
	19	9.7	12.9	16.9	16.9	12.9	4.0	3.2	1.6	0.8	1.6	1.6	0.8	5.10
	20	13.7	12.9	13.7	14.5	12.1	5.6	1.6	0.0	0.0	0.0	0.8	0.0	4.06
	21	4.8	14.5	13.7	12.9	8.0	3.2	0.0	0.0	0.0	0.0	0.8	0.0	3.15
	22	4.8	9.7	16.9	12.9	10.5	3.2	0.0	0.0	0.0	0.0	0.0	0.0	3.75
	23	13.7	16.9	15.3	13.7	12.9	4.0	0.8	0.0	0.0	0.0	0.0	0.0	4.49
	24	13.7	15.3	14.5	14.5	11.3	4.0	0.8	0.0	0.0	0.0	0.0	0.0	4.66
	25	9.7	13.7	16.9	16.1	13.7	5.6	1.6	1.6	0.0	0.0	0.0	0.8	4.83
	26	13.7	16.1	16.9	15.3	15.3	8.0	2.4	0.0	0.0	0.0	0.0	0.0	5.06
	27	14.5	12.1	14.5	14.5	11.3	6.4	0.8	0.0	0.0	0.8	0.0	0.0	4.66
	28	13.7	13.7	18.5	15.3	12.9	7.2	3.2	0.8	0.0	0.0	0.0	1.6	5.03
	29	17.7	17.7	19.3	18.5	13.7	5.6	1.6	1.6	1.6	0.0	0.0	0.0	6.00
	30	16.1	17.7	17.7	16.9	13.7	9.7	2.4	0.8	0.0	0.0	0.0	0.0	6.31
	31	16.1	15.3	15.3	16.1	12.9	10.5	4.8	0.8	0.0	0.0	0.0	0.0	5.13
Hourly Means.		11.33	13.85	15.58	14.47	11.46	5.25	1.47	0.67	0.28	0.15	0.28	0.23	4.50

CLOUDS.

CLEAR = 0. — OVERCAST = 10.

Mean Batavia Time.		1 A.M.	2	3	4	5	6	7	8	9	10	11	12	—
JULY.	1	7	6	6	7	6	5	4	6	5	7	7	6	—
	2	1	2	0	0	1	2	6	7	7	5	6	5	—
	3	2	2	3	3	5	5	1	0	0	2	3	3	—
	4	1	2	0	1	2	4	4	3	2	3	0	0	—
	5	4	6	6	8	8	2	6	5	3	3	3	5	—
	6	5	5	4	3	3	3	1	2	2	6	6	7	—
	7	8	9	9	8	5	8	5	3	6	9	6	6	—
	8	3	3	2	6	8	8	7	3	3	3	2	2	—
	9	3	2	2	3	3	6	3	2	0	0	1	5	—
	10	3	3	2	4	6	2	3	2	1	1	5	5	—
	11	4	3	5	4	5	4	2	1	1	2	1	2	—
	12	2	3	2	1	2	5	3	2	3	6	4	7	—
	13	4	3	3	3	2	3	0	0	0	0	1	2	—
	14	2	2	1	2	2	4	3	2	2	1	3	3	—
	15	9	9	6	3	3	2	6	9	9	8	7	5	—
	16	9	7	9	6	5	6	4	4	3	6	6	5	—
	17	3	3	2	3	4	8	4	3	2	3	4	8	—
	18	7	5	8	7	5	3	3	4	3	3	3	3	—
	19	3	2	3	3	2	4	5	3	4	5	3	6	—
	20	2	2	3	3	2	5	5	3	5	6	5	7	—
	21	7	6	5	7	7	6	2	1	1	2	6	7	—
	22	2	1	2	2	2	3	2	3	2	3	2	0	—
	23	3	4	3	3	4	3	1	0	1	2	3	3	—
	24	9	9	9	7	9	6	4	3	2	3	3	9	—
	25	7	6	6	4	2	2	4	2	1	0	1	5	—
	26	10	7	8	6	7	5	2	1	1	3	6	6	—
	27	8	2	8	2	1	3	3	2	1	5	3	2	—
	28	0	4	4	1	2	3	2	0	1	6	7	7	—
	29	7	3	3	5	2	6	2	1	0	2	4	4	—
	30	6	7	7	4	4	2	3	0	1	5	5	6	—
	31	4	2	3	2	3	3	2	2	1	4	6	6	—
Hourly Means.		4.7	4.2	4.3	3.9	3.9	4.2	3.3	2.5	2.4	3.7	3.9	4.7	—
Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
JULY.	1	6	5	2	2	2	3	3	4	4	3	2	2	4.6
	2	6	3	4	7	3	3	3	2	3	1	2	1	3.3
	3	5	4	5	3	2	2	3	5	3	2	2	4	2.9
	4	2	1	1	1	1	3	3	8	9	10	6	5	3.0
	5	3	2	2	1	3	2	2	2	1	2	1	1	3.4
	6	5	5	3	2	2	4	4	6	6	5	6	6	4.2
	7	7	5	5	6	4	2	6	9	5	3	3	5	5.9
	8	5	4	2	5	6	5	3	4	4	2	2	2	3.9
	9	5	3	1	0	0	2	5	4	4	6	9	6	3.1
	10	0	0	0	0	0	3	1	1	2	2	1	2	2.0
	11	1	1	0	2	2	4	3	5	5	6	6	3	3.0
	12	6	6	3	1	1	2	3	5	3	6	5	4	3.5
	13	3	2	1	1	1	4	7	4	3	3	2	2	2.3
	14	4	4	3	2	5	7	5	7	6	2	6	8	3.6
	15	9	7	9	9	9	8	6	9	7	8	8	4	7.0
	16	7	6	3	2	5	6	9	10	9	9	8	5	6.2
	17	6	7	7	4	3	3	7	9	9	9	9	9	5.4
	18	8	6	4	5	3	4	6	5	3	3	2	2	4.4
	19	7	6	8	5	3	3	6	7	5	6	5	6	4.6
	20	2	1	0	2	2	2	1	0	0	1	4	9	3.0
	21	6	5	5	2	1	3	4	9	9	9	8	4	5.1
	22	2	2	1	3	6	4	5	3	6	4	2	2	2.7
	23	2	1	1	2	3	1	6	7	7	4	8	8	3.3
	24	8	6	3	2	3	3	6	7	9	9	6	6	5.9
	25	1	3	2	1	7	8	8	7	1	0	5	2	3.5
	26	5	5	2	0	3	3	4	2	4	3	2	4	4.1
	27	3	3	2	6	6	4	7	6	6	5	3	2	3.9
	28	5	3	3	2	3	4	3	6	6	4	6	4	3.6
	29	3	2	3	4	4	3	4	5	3	3	2	3	3.3
	30	3	3	1	1	2	2	2	2	3	1	2	1	3.0
	31	6	3	1	2	4	6	4	3	5	9	8	3	3.8
Hourly Means.		4.5	3.7	2.8	2.7	3.2	3.6	4.5	5.3	4.8	4.5	4.5	4.0	3.91

BAROMETRIC PRESSURE.

BAROMETER AT 0°C = 750 MILLIMETRES + THE NUMBERS IN THE TABLE.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
AUGUST.	1	8.80	8.39	8.12	8.24	8.36	8.66	8.87	9.26	9.57	9.54	8.98	8.52	—
	2	8.95	8.49	8.27	8.25	8.36	8.72	9.15	9.58	9.85	9.69	9.15	8.58	—
	3	8.85	8.55	8.23	8.22	8.50	8.97	9.34	9.90	10.10	9.97	9.45	8.68	—
	4	8.19	8.11	7.96	8.08	8.26	8.78	9.55	9.98	10.09	9.83	9.11	8.33	—
	5	9.42	8.95	8.91	8.85	9.12	9.51	9.78	10.11	10.33	9.89	9.18	8.39	—
	6	9.22	8.86	8.49	8.55	8.68	8.87	9.29	9.72	9.90	9.84	9.04	8.18	—
	7	8.67	8.46	8.20	8.25	8.29	8.73	9.43	9.82	9.99	9.80	9.33	8.75	—
	8	9.00	8.79	8.43	8.42	8.48	9.23	9.65	9.85	10.05	10.28	9.95	9.21	—
	9	8.17	8.02	7.79	7.59	7.37	7.61	8.23	8.82	9.07	8.95	8.67	7.65	—
	10	7.35	7.18	6.91	6.91	7.06	7.37	7.61	8.17	8.54	8.47	8.10	7.51	—
	11	7.76	7.59	7.63	7.81	8.02	8.33	8.82	9.19	9.49	9.03	8.56	7.79	—
	12	8.77	8.55	8.36	8.39	8.43	8.62	8.89	9.42	9.74	9.38	8.95	8.04	—
	13	8.54	8.39	8.15	8.12	8.42	8.88	9.64	9.99	10.15	9.85	9.49	8.84	—
	14	9.15	8.92	8.83	8.71	8.90	9.43	9.91	10.20	10.53	10.52	10.03	9.53	—
	15	9.35	9.05	8.92	8.90	8.93	9.20	9.55	9.78	10.16	9.90	9.27	8.62	—
	16	9.21	9.09	8.92	8.87	9.11	9.51	10.14	10.37	10.41	10.29	9.82	9.23	—
	17	9.19	8.86	8.85	8.97	9.41	9.84	10.29	10.76	11.04	10.59	10.08	9.49	—
	18	9.88	9.70	9.64	9.52	9.95	10.28	11.00	11.39	11.73	11.73	11.31	10.77	—
	19	11.42	10.99	10.67	10.64	10.73	11.10	12.16	12.34	12.40	12.30	11.57	10.71	—
	20	12.24	11.66	11.34	11.27	11.39	11.84	11.81	12.40	12.40	12.10	11.52	10.66	—
	21	11.54	11.31	11.09	11.14	11.16	11.64	12.37	12.55	12.89	12.74	12.28	11.53	—
	22	11.40	11.18	10.95	10.91	11.13	11.40	12.00	12.54	12.64	12.22	11.60	10.81	—
	23	10.67	10.22	10.01	9.71	9.93	10.46	11.02	11.34	11.48	11.12	10.45	9.67	—
	24	10.03	9.44	9.27	9.22	9.46	9.89	10.88	11.11	11.36	11.05	10.34	9.76	—
	25	10.65	10.41	10.14	10.06	10.29	10.69	10.80	11.02	11.31	11.13	10.59	9.77	—
	26	10.67	10.41	10.01	9.96	10.06	10.76	11.04	11.39	11.76	11.69	11.09	10.22	—
	27	10.55	10.20	10.00	10.00	10.07	10.45	11.10	11.41	11.48	11.25	10.69	9.94	—
	28	10.46	10.30	10.23	10.26	10.43	10.71	11.17	11.36	11.44	11.23	10.52	9.81	—
	29	10.75	10.48	10.50	10.42	10.40	10.56	11.25	11.54	11.80	11.52	10.94	10.08	—
	30	10.79	10.57	10.34	10.39	10.49	10.66	10.81	11.36	11.40	11.15	10.53	9.93	—
	31	11.33	10.86	10.69	10.48	10.42	10.84	11.34	11.50	11.66	11.43	10.62	9.74	—
Hourly Means.		9.71	9.42	9.22	9.20	9.34	9.73	10.22	10.59	10.80	10.60	10.04	9.31	—

Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
AUGUST.	1	7.64	6.91	6.58	6.68	7.24	7.54	8.47	8.82	9.28	9.40	9.33	9.33	8.44
	2	7.80	7.24	6.72	6.78	6.94	7.39	7.78	8.43	8.98	9.23	9.10	8.99	8.43
	3	7.86	7.41	7.03	6.86	7.11	7.60	8.04	8.63	9.11	9.16	8.95	8.86	8.56
	4	7.76	7.23	6.78	6.73	7.16	7.44	8.17	8.94	9.25	9.68	9.65	9.68	8.53
	5	7.61	7.11	6.61	6.66	6.93	7.48	8.17	8.91	9.23	9.62	9.93	9.65	8.76
	6	7.40	6.54	5.82	5.82	6.16	6.62	7.34	8.14	9.15	9.55	9.59	9.25	8.33
	7	8.19	7.63	7.44	7.23	7.46	7.82	8.02	8.68	9.28	9.82	9.75	9.28	8.68
	8	8.11	7.14	6.56	6.36	6.69	6.97	7.54	8.15	8.81	9.07	9.03	8.82	8.52
	9	7.28	6.64	6.22	6.24	6.28	6.61	7.23	7.60	7.92	7.98	7.92	7.73	7.65
	10	7.10	6.48	6.31	6.22	6.52	6.68	7.41	8.05	8.54	8.61	8.56	8.26	7.50
	11	7.05	6.39	6.19	6.18	6.52	6.90	7.66	8.33	8.67	8.87	8.96	8.85	7.94
	12	7.14	6.39	6.29	6.44	6.69	7.13	7.32	7.61	8.04	8.43	8.59	8.52	8.09
	13	8.21	7.72	7.18	7.27	7.47	7.86	8.44	8.78	9.13	9.53	9.80	9.90	8.74
	14	9.01	8.38	7.97	8.09	8.26	8.45	8.77	9.09	9.53	9.50	9.85	9.79	9.22
	15	8.46	8.14	7.62	7.68	7.78	8.24	8.58	9.13	9.57	9.90	9.98	9.69	9.02
	16	8.43	7.84	7.46	7.48	7.54	8.03	8.58	9.11	9.62	9.75	9.78	9.48	9.09
	17	8.94	8.41	8.14	7.89	8.04	8.70	8.93	9.34	10.04	10.07	10.14	9.97	9.42
	18	10.08	9.42	9.01	9.22	9.73	10.39	11.04	11.56	12.00	12.52	12.34	11.98	10.68
	19	10.26	9.62	9.32	9.51	9.93	10.50	10.98	11.82	12.28	12.80	12.84	12.52	11.23
	20	10.28	9.48	9.08	9.31	9.61	10.08	10.69	11.19	11.38	11.82	11.83	11.73	11.12
	21	10.29	9.94	9.51	9.43	9.53	10.04	10.76	11.32	11.73	11.99	11.88	11.80	11.27
	22	10.11	9.35	8.72	8.73	8.98	9.48	9.67	10.24	10.76	10.80	10.74	10.67	10.71
	23	8.91	8.28	7.83	7.98	8.59	9.03	9.57	10.17	10.69	10.99	10.83	10.83	9.99
	24	9.43	8.77	8.36	8.23	8.61	9.02	9.77	10.13	11.13	11.25	11.20	11.10	9.96
	25	9.54	8.71	8.31	8.21	8.79	9.14	9.64	10.41	10.95	11.19	11.43	11.02	10.18
	26	8.96	8.23	7.97	8.10	8.63	9.12	10.07	10.68	11.22	11.37	11.45	11.00	10.25
	27	9.16	8.57	8.27	8.23	8.64	9.17	9.57	9.98	10.12	10.42	10.68	10.63	10.02
	28	9.32	8.76	8.49	8.60	9.00	9.46	9.82	10.76	11.24	11.43	11.64	11.56	10.33
	29	9.43	9.05	8.62	8.63	8.98	9.47	9.92	10.46	11.04	11.29	11.55	11.32	10.42
	30	9.54	9.21	8.87	8.98	9.33	9.78	10.33	10.91	11.48	11.80	11.88	11.60	10.51
	31	8.63	7.84	7.36	7.42	7.72	8.38	9.21	9.88	10.18	10.34	10.55	10.58	9.96
Hourly Means.		8.64	8.03	7.63	7.65	7.96	8.40	8.95	9.53	10.01	10.27	10.31	10.14	9.40

STANDARD THERMOMETER.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
AUGUST.	1	77.4	77.0	77.0	76.2	76.0	76.0	76.2	78.6	81.2	82.7	84.7	86.5	—
	2	74.8	74.5	74.2	74.2	74.0	74.0	74.0	74.7	76.9	79.8	82.2	83.3	—
	3	75.0	74.3	74.1	73.2	72.3	72.3	72.5	75.9	79.7	82.0	84.0	84.4	—
	4	75.1	74.6	74.2	74.0	73.6	72.9	72.7	76.2	79.6	82.5	85.0	86.5	—
	5	77.2	76.9	76.5	76.0	75.0	74.0	73.8	75.7	78.4	81.6	82.8	85.5	—
	6	76.0	75.2	74.2	73.2	72.6	72.0	71.3	74.5	78.6	81.0	83.4	85.4	—
	7	74.2	73.4	72.8	71.7	71.0	70.5	71.2	73.8	78.9	81.9	84.0	85.3	—
	8	75.2	74.0	73.1	72.0	71.0	70.5	70.0	71.7	75.5	79.1	81.0	83.4	—
	9	72.4	72.2	71.0	70.5	69.4	69.0	68.6	71.0	74.5	79.3	81.7	84.2	—
	10	72.9	72.4	71.6	71.2	70.4	70.4	71.1	73.2	77.3	81.1	83.7	85.0	—
	11	72.4	71.8	71.1	71.3	70.3	70.0	70.0	72.9	77.0	80.1	83.0	85.0	—
	12	73.8	73.0	72.3	71.7	70.6	70.6	71.1	75.0	78.2	83.0	85.0	86.3	—
	13	77.2	77.0	76.1	75.2	74.0	73.1	73.8	75.0	78.0	81.8	84.6	86.9	—
	14	74.6	74.0	73.5	72.8	72.0	71.6	72.0	75.0	78.6	82.8	86.0	86.2	—
	15	75.5	75.3	74.3	73.3	72.0	71.5	72.0	74.2	78.6	82.0	85.5	85.3	—
	16	75.7	74.7	73.6	72.9	72.3	72.1	71.7	75.1	79.2	82.6	84.0	85.6	—
	17	75.8	75.0	74.8	74.5	74.2	73.5	73.0	76.0	79.7	82.4	84.4	86.4	—
	18	77.4	76.8	76.0	75.0	74.8	73.5	74.0	76.8	80.0	82.7	85.4	86.0	—
	19	75.7	74.9	74.7	73.7	73.5	73.5	74.0	76.6	81.0	84.7	87.5	89.6	—
	20	73.4	72.8	71.8	71.2	70.5	69.9	70.6	74.6	78.9	83.3	86.1	88.1	—
	21	72.5	71.8	71.0	70.3	70.3	69.4	69.6	73.9	77.6	81.6	85.6	87.0	—
	22	75.2	74.4	74.0	73.3	72.3	72.3	72.7	75.4	79.4	82.2	84.7	86.3	—
	23	75.5	74.3	73.0	72.2	71.6	70.8	71.4	73.7	77.5	81.7	84.7	87.6	—
	24	75.8	74.6	73.6	73.6	73.3	73.1	72.8	75.0	79.0	82.0	85.0	85.8	—
	25	73.9	73.0	72.0	71.4	71.4	71.4	72.0	76.2	79.7	82.6	85.8	88.0	—
	26	75.1	74.0	73.0	72.0	71.2	70.6	71.0	74.5	80.6	84.0	86.7	88.6	—
	27	74.6	73.6	72.8	71.6	71.1	70.7	70.9	74.3	79.3	83.0	86.4	87.8	—
	28	74.1	73.3	73.1	72.4	71.7	71.1	71.7	76.5	80.9	84.0	86.6	89.6	—
	29	72.5	72.2	71.8	71.0	70.7	70.3	71.0	75.0	78.8	81.7	85.0	86.5	—
	30	77.4	77.0	76.4	75.8	74.9	74.0	73.7	76.0	80.2	83.7	85.5	85.3	—
	31	74.3	74.0	73.3	72.4	71.0	70.3	70.9	74.1	78.9	83.5	86.0	86.0	—
Hourly Means.		74.92	74.26	73.58	72.90	72.23	71.77	71.98	74.87	78.76	82.14	84.71	86.24	—
Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
AUGUST.	1	85.7	86.3	85.3	84.5	83.1	81.6	80.5	79.9	79.7	79.2	77.2	75.2	80.32
	2	84.9	84.6	84.3	83.0	81.8	80.3	79.3	78.6	78.0	77.4	76.4	75.6	78.36
	3	85.7	85.0	84.1	83.1	82.1	80.7	80.6	79.0	78.5	77.4	76.3	75.7	78.66
	4	86.2	86.4	85.0	82.8	82.2	81.4	80.0	80.0	79.5	79.0	78.2	77.7	79.39
	5	85.2	83.3	84.2	82.6	82.3	81.0	80.0	78.8	78.6	77.8	77.3	77.0	79.23
	6	84.0	84.2	84.8	83.6	82.3	80.7	79.5	78.6	78.0	77.0	76.5	75.2	78.41
	7	84.6	81.5	84.4	83.6	82.5	81.0	79.9	79.2	78.5	77.6	77.3	76.3	78.25
	8	85.8	85.1	84.2	83.7	82.0	80.3	78.7	76.5	75.5	75.0	74.5	73.7	77.15
	9	84.5	84.0	82.6	82.2	81.1	80.0	78.5	77.2	76.0	75.1	74.2	73.2	76.35
	10	84.2	85.3	83.6	82.0	81.7	80.8	79.0	77.8	76.3	75.5	74.3	73.6	77.27
	11	86.8	84.7	84.3	83.3	82.5	80.8	79.5	78.7	77.3	76.6	76.0	74.8	77.51
	12	85.5	85.3	84.0	83.3	82.2	81.1	80.6	79.6	78.4	78.2	77.6	77.2	78.48
	13	87.6	85.6	87.4	85.6	83.8	81.9	80.0	78.5	77.2	76.5	75.5	75.1	79.48
	14	86.2	85.0	83.7	83.0	82.5	81.4	80.2	79.3	78.0	77.0	76.2	76.0	78.65
	15	85.2	85.0	84.0	83.0	81.7	80.8	79.8	78.8	77.7	77.4	77.2	76.6	78.61
	16	85.0	85.0	83.4	83.3	82.3	81.3	80.4	79.9	79.2	78.4	77.7	76.8	78.84
	17	85.5	85.2	85.0	83.9	82.7	81.5	80.7	80.1	79.0	78.6	78.2	78.2	79.51
	18	85.8	85.3	85.0	84.1	82.9	81.6	80.9	79.7	79.0	79.0	77.7	76.7	79.84
	19	91.2	91.4	90.6	88.5	85.6	83.0	80.3	78.5	77.8	76.3	76.0	75.0	80.57
	20	86.2	86.1	86.6	85.2	83.8	81.8	79.8	77.7	76.7	74.7	73.3	72.3	78.14
	21	88.6	85.5	84.5	83.8	82.6	81.2	80.0	78.0	76.8	76.1	76.0	76.0	77.90
	22	86.7	85.6	85.0	83.6	82.4	81.1	80.7	79.9	78.6	77.7	77.7	76.4	79.21
	23	88.4	86.8	84.4	83.0	82.1	80.9	80.0	79.0	77.5	77.0	77.0	76.6	78.61
	24	85.5	85.1	84.7	83.3	81.8	80.8	79.6	78.7	78.1	77.8	76.0	75.0	78.75
	25	86.0	86.4	86.0	84.6	83.2	81.8	80.2	79.6	79.0	78.0	77.0	76.2	78.98
	26	87.8	90.2	87.4	85.4	83.5	81.7	80.6	79.7	78.8	77.8	77.0	76.0	79.47
	27	87.2	87.2	86.0	84.9	83.0	81.1	80.0	79.0	77.6	77.0	75.4	74.5	78.71
	28	89.4	88.7	90.3	86.9	85.5	83.0	80.8	78.6	77.0	75.5	74.5	73.1	79.51
	29	86.8	85.4	84.0	84.2	82.5	81.4	81.0	79.9	79.3	79.1	78.8	78.2	78.63
	30	85.3	85.0	84.0	83.3	82.1	81.2	81.0	80.4	79.0	77.4	76.2	74.7	79.56
	31	86.4	85.4	84.4	83.0	82.2	80.6	79.7	78.1	77.1	76.0	75.4	74.7	78.24
Hourly Means.		86.25	85.76	85.07	83.88	82.65	81.22	80.07	78.97	78.03	77.23	76.41	75.59	78.73

RELATIVE HUMIDITY OF THE AIR.

SATURATION = 1000.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
AUGUST.	1	859	859	851	873	873	881	873	792	697	641	581	576	—
	2	930	939	947	930	938	938	956	939	748	657	627	593	—
	3	880	879	862	886	902	902	893	793	728	667	610	617	—
	4	914	913	913	896	903	920	920	825	720	628	575	535	—
	5	891	891	891	899	922	921	912	898	792	685	636	577	—
	6	890	889	878	868	851	832	831	749	646	648	606	559	—
	7	854	861	860	883	891	890	856	795	682	619	558	504	—
	8	832	861	860	866	900	889	844	806	744	661	607	499	—
	9	842	850	882	890	879	870	869	847	772	647	558	522	—
	10	860	875	883	891	908	881	865	819	712	641	544	491	—
	11	850	866	882	882	899	898	889	826	689	645	554	479	—
	12	869	876	875	883	899	890	900	782	723	577	515	533	—
	13	805	812	841	864	870	877	845	798	715	632	561	469	—
	14	830	845	853	876	892	901	884	814	718	584	491	515	—
	15	872	880	896	920	936	918	892	853	739	658	535	595	—
	16	872	897	911	920	919	910	918	839	749	623	602	566	—
	17	881	888	897	913	904	920	929	873	795	688	642	625	—
	18	884	899	899	922	914	921	921	866	788	703	615	630	—
	19	881	897	888	903	903	912	904	834	712	581	501	462	—
	20	818	826	841	840	873	898	890	797	661	542	468	431	—
	21	816	823	839	845	854	870	862	779	684	558	476	473	—
	22	815	829	829	844	867	850	842	767	683	581	518	521	—
	23	744	740	784	816	823	829	796	721	655	558	472	408	—
	24	745	741	745	745	753	743	751	703	641	579	500	523	—
	25	869	886	892	891	901	900	849	770	699	602	501	464	—
	26	831	861	868	866	856	864	855	741	560	486	433	412	—
	27	796	801	826	848	839	846	829	771	648	540	410	467	—
	28	853	861	869	885	892	900	883	778	676	590	530	466	—
	29	825	833	841	865	864	872	891	791	718	644	569	528	—
	30	828	827	834	849	872	879	878	817	737	601	506	603	—
	31	838	837	844	850	882	889	864	747	625	523	434	467	—
Hourly Means.		847	856	864	874	883	884	874	804	705	613	540	520	—
Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
AUGUST.	1	622	619	639	642	684	749	774	795	802	816	867	939	763
	2	587	580	584	671	707	737	771	792	829	835	866	872	791
	3	647	645	641	690	750	789	774	808	822	852	874	898	784
	4	581	600	601	670	687	733	795	817	839	831	853	867	773
	5	627	698	656	682	708	755	773	815	807	836	859	867	792
	6	596	596	574	612	687	702	802	739	760	788	802	823	739
	7	586	579	603	600	628	683	713	748	739	774	796	825	730
	8	439	503	522	531	586	617	696	763	760	759	773	795	713
	9	517	520	550	606	655	700	754	788	808	831	829	860	744
	10	590	558	626	653	625	661	689	721	754	799	829	836	738
	11	496	573	559	573	633	689	712	739	780	810	816	846	733
	12	529	534	583	593	647	677	716	757	783	776	805	812	731
	13	456	577	498	560	620	651	679	702	743	772	815	823	708
	14	563	601	627	650	674	740	759	794	821	851	849	865	750
	15	582	587	667	690	727	738	786	800	820	835	843	857	776
	16	665	651	712	712	750	755	796	817	832	830	844	858	790
	17	640	620	651	680	738	776	819	825	854	862	869	869	798
	18	661	620	606	661	717	791	797	825	839	831	845	867	793
	19	403	420	349	340	419	496	603	695	713	747	769	790	672
	20	551	514	517	522	576	533	616	677	702	749	785	807	685
	21	465	498	542	588	641	690	714	753	788	802	801	801	707
	22	511	535	563	587	640	677	683	725	758	777	767	802	707
	23	442	505	548	610	646	662	693	697	713	726	749	778	671
	24	553	563	573	598	670	696	734	770	776	797	825	846	690
	25	532	510	538	536	542	618	707	720	718	753	773	809	708
	26	439	397	505	528	599	630	666	692	703	722	726	761	667
	27	498	498	544	526	591	669	722	748	767	779	823	838	693
	28	459	517	362	501	475	546	627	674	712	737	773	835	683
	29	512	553	628	622	668	712	739	773	785	793	808	814	735
	30	498	508	557	573	619	655	675	708	733	789	809	839	716
	31	522	510	571	624	593	661	677	709	734	770	784	798	699
Hourly Means.		541	555	571	601	642	684	725	754	774	795	814	835	732

DIRECTION OF THE WIND.

Mean Batavia Time.	1 A. M.	2	3	4	5	6	7	8	9	10	11	12	
AUGUST.	1	C	C	C	ENE	C	C	ESE	SE	E	SE	E	NE
	2	C	C	C	C	C	C	C	C	SSE	ESE	E	N
	3	C	ENE	C	C	C	E	ESE	SE	ESE	ESE	E	NNE
	4	C	C	ENE	C	C	C	C	ESE	ESE	SE	ENE	NE
	5	C	C	C	C	C	C	C	E	SE	SSE	SE	ENE
	6	C	C	C	C	C	C	C	NNE	SSW	SSE	E	NE
	7	C	C	C	C	C	C	C	C	SSW	ESE	ENE	NE
	8	C	C	C	C	C	C	C	NE	NE	N	N	SW
	9	C	C	N	C	N	C	C	N	WSW	SSW	N	NNE
	10	C	C	C	C	C	C	C	NE	WNW	W	NE	NNW
	11	C	C	C	C	C	C	C	C	SE	C	S	SE
	12	C	C	C	C	C	C	NE	S	SSW	SE	ESE	NE
	13	C	C	C	C	C	C	C	NE	S	SW	SSE	ESE
	14	C	C	C	C	C	C	C	C	C	SSE	E	NNE
	15	C	C	C	C	C	C	C	C	ENE	ESE	E	NNE
	16	C	C	C	C	C	C	C	ENE	SSE	ESE	ENE	NNE
	17	C	C	C	C	C	C	C	SSE	ESE	ESE	ESE	NE
	18	C	C	C	C	C	C	C	S	SE	ESE	SE	NE
	19	C	C	C	C	C	C	C	SSE	E	E	ESE	E
	20	C	C	C	C	C	C	C	SSE	S	SE	ENE	E
	21	C	C	C	C	C	C	C	C	SW	W	SW	NE
	22	C	C	C	C	NNE	NNE	C	NE	S	S	SSE	SE
	23	ESE	ESE	C	C	C	C	C	SE	SW	S	NW	S
	24	C	C	NE	C	C	C	NE	S	SE	ESE	E	NE
	25	C	C	C	C	C	C	C	S	S	SSE	S	S
	26	C	C	C	C	C	C	C	C	ESE	ESE	ESE	E
	27	C	C	C	C	C	C	C	ENE	ESE	SSE	ESE	NE
	28	C	C	C	C	C	C	ENE	ESE	ESE	ESE	ESE	E
	29	C	C	C	C	C	C	E	SSE	SE	S	SSW	SSW
	30	C	C	C	C	C	C	C	C	SSW	NE	SE	ENE
	31	C	C	C	C	C	C	C	ESE	SE	ESE	E	NNE

Mean Batavia Time.	1 P. M.	2	3	4	5	6	7	8	9	10	11	12
AUGUST.	1	NE	NE	NNE	NE	NE	ENE	ENE	ENE	ENE	ENE	S
	2	NE	NNE	NE	NE	ENE	ENE	ENE	ENE	C	C	C
	3	N	NNE	NE	NNE	NE	NE	ENE	ENE	C	C	C
	4	N	NNE	NE	NE	NE	NE	ENE	ENE	C	C	C
	5	NNE	NNE	NNE	NE	NE	NE	C	C	C	C	C
	6	NNE	NNE	NE	NNE	NE	NE	ENE	ENE	C	C	ENE
	7	N	NNE	NE	NE	NE	NE	NE	NE	C	C	C
	8	N	NNE	NNE	NNE	NNE	N	C	C	C	C	C
	9	NE	NNE	NNE	NNE	NE	C	C	C	C	C	C
	10	N	NNE	NNE	NE	NNE	NE	C	C	C	C	C
	11	NNE	NE	NE	NE	NE	NE	C	C	C	C	C
	12	NNE	NNE	NNE	NE	NE	NE	C	C	C	C	C
	13	E	NNE	NE	ENE	ENE	ENE	E	C	C	C	C
	14	NNE	NNE	NE	NE	NE	ENE	ENE	C	C	C	C
	15	NNE	NNE	NNE	NNE	NE	NE	ENE	C	C	C	C
	16	NE	NE	NNE	NNE	NE	NE	ENE	C	C	C	C
	17	NNE	NNE	NE	NE	NE	NE	NE	C	C	C	C
	18	NE	NNE	NNE	NE	NE	NE	NE	C	C	SSE	C
	19	E	ENE	E	E	E	E	E	C	C	C	C
	20	NNE	NE	NE	NE	ENE	E	C	C	C	C	C
	21	NE	NNE	NNE	NNE	NNE	NNE	C	C	C	C	C
	22	N	N	N	N	N	N	NNE	NNE	NNE	NNE	NE
	23	ENE	N	NNE	NNE	NE	NE	C	C	C	C	C
	24	N	NNW	N	N	N	N	C	C	C	C	C
	25	NE	NE	NE	NE	ENE	ENE	ENE	C	ENE	C	C
	26	NNE	E	NE	NE	NE	ENE	ENE	C	C	C	C
	27	NNE	NNE	NE	NE	NE	ENE	ENE	C	C	C	C
	28	ESE	NE	ENE	ENE	E	E	C	C	C	C	C
	29	NW	NNW	NNW	NNW	NNW	NNW	C	C	C	C	C
	30	NE	NNE	NNE	NNE	NNE	NE	NE	C	C	C	C
	31	NNE	NNE	NNE	NNE	NE	ENE	ENE	C	C	C	C

VELOCITY OF THE WIND IN KILOMETERS PER HOUR.

Mean Batavia Time.		1 A.M.	2	3	4	5	6	7	8	9	10	11	12	—
AUGUST.	1	0.0	0.0	0.0	1.6	0.0	0.0	1.6	7.2	8.9	10.5	9.7	14.5	—
	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	3.2	4.8	5.6	—
	3	0.0	0.8	0.0	0.0	0.0	0.8	1.6	7.2	12.1	12.1	10.5	11.3	—
	4	0.0	0.0	0.8	0.0	0.0	0.0	0.0	4.0	8.9	10.5	8.0	6.4	—
	5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	3.2	3.2	3.2	3.2	—
	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	2.4	1.6	3.2	6.4	—
	7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	6.4	6.4	6.4	—
	8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8	1.6	—
	9	0.0	0.0	0.8	0.0	0.8	0.0	0.0	0.8	1.6	1.6	2.4	6.4	—
	10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	1.6	0.8	2.4	—
	11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	0.0	0.8	1.6	—
	12	0.0	0.0	0.0	0.0	0.0	0.0	1.6	4.0	0.8	4.8	6.4	8.0	—
	13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	3.2	3.2	6.4	6.4	—
	14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	6.4	11.3	—
	15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.8	6.4	9.7	11.3	—
	16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	4.8	6.4	4.8	11.3	—
	17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	6.4	6.4	4.8	12.9	—
	18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	5.6	6.4	7.2	10.5	—
	19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	4.0	13.7	16.1	14.5	—
	20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	2.4	4.8	8.0	12.1	—
	21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	2.4	7.2	—
	22	0.0	0.0	0.0	0.0	0.8	0.8	0.0	1.6	2.4	3.2	3.2	4.8	—
	23	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.8	0.8	2.4	4.0	4.8	—
	24	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.8	3.2	6.4	8.0	15.3	—
	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.6	3.2	5.6	9.7	—
	26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.2	13.7	13.7	10.5	—
	27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	4.0	6.4	10.5	11.3	—
	28	0.0	0.0	0.0	0.0	0.0	0.0	0.8	4.0	12.1	13.7	14.5	14.5	—
	29	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	2.4	2.4	6.4	—
	30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	2.4	4.8	5.6	—
	31	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	6.4	11.3	10.5	14.5	—
Hourly Means.		0.03	0.05	0.08	0.05	0.05	0.05	0.23	1.68	3.78	5.55	6.45	8.67	—
Mean Batavia Time.		1 P.M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
AUGUST.	1	20.1	20.1	16.9	16.9	12.9	9.7	4.0	1.6	0.8	0.8	1.6	1.6	6.71
	2	10.5	15.3	17.7	13.7	10.5	5.6	4.8	0.8	0.0	0.0	0.0	0.0	3.89
	3	12.9	14.5	15.3	11.3	12.1	8.0	3.2	0.8	0.0	0.0	0.0	0.0	5.60
	4	9.7	12.1	16.1	14.5	9.7	5.6	1.6	0.8	0.0	0.0	0.0	0.0	4.53
	5	6.4	8.0	9.7	11.3	9.7	2.4	0.0	0.0	0.0	0.0	0.0	0.0	2.55
	6	16.1	11.3	12.1	15.3	12.1	5.6	1.6	0.8	0.0	0.0	0.0	0.8	3.85
	7	12.1	14.5	14.5	11.3	8.9	4.0	0.8	0.8	0.0	0.0	0.0	0.0	3.72
	8	6.4	11.3	8.9	7.2	7.2	1.6	0.0	0.0	0.0	0.0	0.0	0.0	1.98
	9	11.3	14.5	11.3	11.3	6.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.88
	10	8.0	10.5	13.7	10.5	6.4	0.8	0.0	0.0	0.0	0.0	0.0	0.0	2.35
	11	8.0	12.9	15.3	12.9	8.0	2.4	0.0	0.0	0.0	0.0	0.0	0.0	2.65
	12	13.7	17.7	19.3	20.1	16.1	8.0	1.6	0.0	0.0	0.0	0.0	0.0	5.09
	13	9.7	16.1	15.3	16.1	13.7	8.0	1.6	0.0	0.0	0.0	0.0	0.0	4.22
	14	12.9	12.9	16.1	17.7	11.3	4.0	0.8	0.0	0.0	0.0	0.0	0.0	3.96
	15	17.7	17.7	16.9	15.3	12.1	5.6	1.6	0.0	0.0	0.0	0.0	0.0	4.96
	16	16.1	16.1	16.9	13.7	7.2	4.0	0.8	0.8	0.0	0.0	0.0	0.0	4.39
	17	14.5	16.1	17.7	12.9	10.5	4.8	1.6	0.0	0.0	0.0	0.0	0.0	4.59
	18	13.7	16.1	15.3	14.5	11.3	5.6	1.6	0.0	0.0	0.0	0.8	0.0	4.66
	19	12.9	19.3	22.5	23.3	20.1	14.5	9.7	1.6	0.0	0.0	0.0	0.0	7.21
	20	16.9	15.3	18.5	16.9	15.3	5.6	0.8	0.0	0.0	0.0	0.0	0.0	4.89
	21	14.5	18.5	16.1	14.5	10.5	1.6	0.0	0.0	0.0	0.0	0.0	0.0	3.69
	22	8.9	10.5	11.3	12.1	9.7	2.4	0.8	0.8	0.8	0.8	0.8	1.6	3.22
	23	7.2	15.3	14.5	14.5	10.5	4.8	0.0	0.0	0.0	0.0	0.0	0.0	3.38
	24	14.5	12.1	13.7	13.7	9.7	6.4	5.6	0.0	0.0	0.0	0.0	0.0	4.63
	25	17.7	18.5	19.3	20.1	16.1	8.0	1.6	0.0	0.8	0.0	0.0	0.0	5.13
	26	11.3	13.7	21.7	17.7	14.5	9.7	0.8	0.0	0.0	0.0	0.0	0.0	5.60
	27	16.9	16.9	20.9	19.3	16.9	9.7	2.4	0.0	0.0	0.0	0.0	0.0	5.67
	28	10.5	18.5	16.9	18.5	14.5	6.4	0.8	0.0	0.0	0.0	0.0	0.0	6.07
	29	13.7	12.1	9.7	4.0	4.8	1.6	0.0	0.0	0.0	0.0	0.0	0.0	2.48
	30	15.3	16.1	20.1	16.9	16.1	11.3	4.8	0.8	0.0	0.0	0.0	0.0	4.79
	31	19.3	20.9	17.7	15.3	12.1	5.6	1.6	0.0	0.0	0.0	0.0	0.0	5.77
Hourly Means.		12.88	15.01	15.87	14.62	11.51	5.59	1.76	0.31	0.08	0.05	0.10	0.13	4.36

CLOUDS.

CLEAR = 0. — OVERCAST = 10.

Mean Batavia Time.	1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
AUGUST.	1	8	9	7	10	10	10	5	6	7	8	5	—
	2	10	5	4	8	9	10	4	2	2	4	9	—
	3	3	1	2	1	3	6	2	3	3	4	8	—
	4	4	5	5	3	3	2	1	2	4	5	7	—
	5	10	7	8	6	5	6	4	6	5	3	3	—
	6	2	4	2	2	1	2	3	4	5	9	8	—
	7	2	2	3	2	0	3	4	2	4	5	6	—
	8	6	4	3	2	2	4	10	6	7	6	5	—
	9	3	3	2	2	4	2	1	3	6	5	7	—
	10	10	8	7	8	6	4	7	8	3	4	7	—
	11	3	2	4	4	3	6	4	3	4	3	10	—
	12	2	2	2	0	0	3	2	1	0	2	3	—
	13	9	7	5	2	3	6	3	2	3	3	4	—
	14	6	4	4	3	2	4	3	2	2	3	5	—
	15	8	10	10	10	8	6	2	3	6	6	5	—
	16	2	2	1	1	2	4	4	2	1	3	5	—
	17	2	2	2	0	0	2	2	1	5	7	8	—
	18	5	5	6	3	3	4	2	3	4	4	3	—
	19	3	3	2	2	2	1	0	3	1	5	3	—
	20	6	6	4	5	6	6	1	1	2	4	1	—
	21	8	6	2	1	1	3	3	2	1	8	5	—
	22	8	8	5	4	3	3	1	0	1	3	4	—
	23	7	5	3	3	1	3	3	1	2	2	2	—
	24	8	6	6	7	8	4	7	6	3	7	8	—
	25	4	4	3	3	4	3	4	3	6	6	6	—
	26	0	0	0	0	1	3	4	3	4	3	6	—
	27	4	3	7	2	2	3	2	0	0	0	3	—
	28	6	8	3	1	3	4	1	2	3	3	3	—
	29	2	2	3	6	4	4	4	0	3	3	5	—
	30	9	10	7	6	5	6	4	1	1	6	7	—
	31	5	6	3	0	0	2	2	1	3	3	3	—
Hourly Means.	5.3	4.8	4.0	3.5	3.4	4.2	3.5	2.7	2.8	3.5	4.4	5.3	—
Mean Batavia Time.	1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
AUGUST.	1	6	8	8	6	4	3	5	8	9	7	10	7.4
	2	10	6	5	5	3	4	7	4	6	3	3	5.8
	3	5	3	2	1	2	8	6	10	9	8	7	4.4
	4	4	2	3	2	1	1	2	8	8	3	4	3.5
	5	6	7	4	3	3	4	3	3	4	5	4	4.9
	6	4	6	6	7	8	6	6	4	9	1	3	4.5
	7	6	4	3	5	4	5	8	9	9	7	7	4.6
	8	3	1	2	4	7	4	7	6	8	9	6	5.1
	9	8	7	8	9	9	9	4	2	2	6	6	5.0
	10	5	1	2	2	3	3	3	2	3	3	2	4.5
	11	7	6	8	8	6	8	6	7	8	6	5	5.4
	12	2	1	3	6	4	6	7	8	6	7	9	3.5
	13	4	3	3	3	4	4	7	6	7	7	7	4.6
	14	0	0	0	0	0	3	3	4	2	2	7	2.7
	15	3	1	0	2	2	4	2	2	5	4	3	4.4
	16	2	3	1	1	2	4	3	7	7	3	2	2.9
	17	3	4	4	5	4	6	7	7	8	6	3	4.2
	18	2	1	1	2	2	5	7	5	9	7	6	4.4
	19	2	2	2	3	4	3	1	2	1	1	2	2.3
	20	1	0	0	1	2	4	0	3	2	4	3	2.8
	21	6	3	1	1	2	3	0	6	9	9	9	3.8
	22	6	4	6	5	4	5	7	6	6	3	7	4.3
	23	2	2	1	1	2	4	6	5	6	10	10	3.8
	24	7	3	3	2	2	2	0	9	9	1	0	4.9
	25	3	2	1	1	2	3	7	6	3	9	1	3.9
	26	6	6	3	1	1	4	7	9	7	7	9	4.0
	27	4	2	4	2	1	3	2	7	8	6	6	3.3
	28	6	5	0	0	2	3	4	4	3	3	3	3.1
	29	4	3	2	1	3	7	3	9	10	10	10	4.3
	30	5	5	3	2	4	9	9	4	3	2	4	5.1
	31	5	3	1	1	1	2	3	6	7	5	6	3.1
Hourly Means.	4.4	3.4	2.9	3.0	3.2	4.5	4.6	5.5	6.0	5.6	5.3	5.3	4.21

BAROMETRIC PRESSURE.

BAROMETER AT 0°C = 750 MILLIMETRES + THE NUMBERS IN THE TABLE.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
SEPTEMBER.	1	10.30	10.01	10.04	10.08	10.27	10.45	11.05	11.20	11.43	11.09	10.57	9.78	—
	2	9.93	9.63	9.51	9.69	10.00	10.20	10.95	11.40	11.52	11.24	10.52	9.83	—
	3	9.11	8.73	8.73	8.72	9.24	9.65	10.37	10.50	10.69	10.47	9.83	8.99	—
	4	9.49	9.13	9.10	9.14	9.33	9.85	10.19	10.62	10.80	10.70	10.18	9.43	—
	5	10.06	9.66	9.59	9.95	10.25	10.71	11.10	11.40	11.84	11.79	10.99	9.94	—
	6	9.90	9.54	9.25	9.32	9.52	10.06	10.70	11.10	11.35	11.35	10.60	9.79	—
	7	9.49	9.05	8.88	8.87	9.04	9.43	10.12	10.52	10.59	10.30	9.61	8.48	—
	8	9.54	9.10	8.91	8.91	9.17	9.40	10.05	10.43	10.48	10.35	9.49	8.93	—
	9	9.07	8.81	8.97	9.13	8.93	9.38	9.86	10.30	10.36	10.32	9.96	9.07	—
	10	9.70	9.21	9.22	9.07	9.26	9.76	10.41	10.81	10.97	11.03	10.57	9.87	—
	11	10.85	10.53	10.47	10.31	10.40	10.88	11.21	11.36	11.45	11.20	10.67	10.07	—
	12	10.68	10.20	9.99	10.13	10.38	10.86	11.44	11.65	11.87	11.77	11.17	10.43	—
	13	10.08	9.52	9.44	9.69	9.90	10.18	10.88	11.08	11.18	11.08	10.38	9.94	—
	14	10.03	9.74	9.59	9.56	10.31	10.71	11.10	11.41	11.47	11.02	10.27	9.58	—
	15	10.92	10.59	10.35	10.21	10.53	11.09	11.86	11.91	11.95	11.84	11.24	10.67	—
	16	10.98	10.53	10.35	10.35	10.68	11.14	11.58	11.96	11.90	11.75	11.08	10.27	—
	17	10.49	10.10	9.87	9.80	9.94	10.16	10.88	11.14	11.23	10.95	10.03	9.35	—
	18	9.85	9.54	9.39	9.44	9.75	10.24	10.84	11.03	11.40	11.10	10.54	9.88	—
	19	10.24	9.85	9.71	9.71	9.99	10.20	10.63	11.08	11.13	10.90	10.03	9.18	—
	20	9.68	9.21	9.16	9.27	9.30	9.85	10.40	10.78	11.08	10.72	9.84	9.07	—
	21	9.82	9.49	9.37	9.30	9.84	10.30	11.09	11.45	11.52	11.32	10.56	9.80	—
	22	10.25	9.89	9.84	9.88	10.13	10.65	11.35	11.60	11.60	11.26	10.38	9.56	—
	23	9.87	9.42	9.22	9.24	9.52	9.88	10.17	10.63	10.72	10.67	9.92	9.11	—
	24	9.82	9.34	9.15	9.17	9.42	9.89	10.18	10.84	10.78	10.61	10.12	9.58	—
	25	10.81	10.24	10.10	10.03	10.18	10.64	11.23	11.44	11.63	11.61	11.32	10.49	—
	26	10.58	10.13	10.00	9.91	10.13	10.50	10.93	11.29	11.33	11.21	10.48	9.96	—
	27	10.58	10.22	10.13	10.10	10.26	10.60	11.20	11.60	11.62	11.06	10.41	9.81	—
	28	10.23	10.03	10.00	10.07	10.34	10.85	11.20	11.44	11.49	11.16	10.52	9.96	—
	29	10.95	10.67	10.62	10.63	10.80	11.03	11.10	11.30	11.40	11.27	10.64	9.97	—
	30	11.10	10.75	10.43	10.53	10.80	11.28	11.44	11.64	11.82	11.52	10.89	10.31	—
Hourly Means.		10.15	9.76	9.65	9.67	9.92	10.33	10.85	11.16	11.29	11.09	10.43	9.70	—
Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
SEPTEMBER.	1	9.12	8.33	7.92	7.83	8.27	8.59	8.87	9.58	9.74	9.93	9.93	9.88	9.76
	2	9.18	8.53	8.09	8.02	8.32	8.69	9.21	9.89	10.03	10.25	10.29	9.86	9.78
	3	8.29	7.63	7.36	7.28	7.81	8.24	8.92	9.33	9.75	9.94	10.00	9.80	9.14
	4	8.81	8.06	7.58	7.56	7.83	8.36	9.08	9.83	10.29	10.54	10.54	10.30	9.45
	5	8.97	8.06	7.61	7.61	7.69	8.50	9.48	9.95	10.53	10.74	10.59	10.34	9.89
	6	8.99	8.27	8.01	7.69	8.01	8.50	9.00	9.70	10.12	10.24	9.99	9.90	9.62
	7	7.78	6.97	6.78	7.06	7.43	8.36	9.23	9.94	10.46	10.60	10.72	10.43	9.17
	8	8.30	7.85	7.35	7.38	7.79	8.26	9.04	9.56	10.06	10.12	9.92	9.50	9.16
	9	8.78	8.33	8.03	7.79	8.02	8.63	9.33	9.82	9.92	10.21	10.23	9.95	9.30
	10	9.26	8.56	8.32	8.27	8.37	9.06	9.72	10.51	10.99	11.44	11.65	11.43	9.89
	11	9.70	9.25	8.81	8.87	9.17	9.47	9.84	10.42	10.79	11.25	11.23	10.95	10.38
	12	9.81	9.31	8.68	8.68	8.95	9.52	10.08	10.59	10.89	11.05	10.94	10.70	10.41
	13	9.35	8.86	8.48	8.41	8.64	8.91	9.44	10.08	10.56	10.74	10.83	10.57	9.93
	14	8.92	8.34	8.13	8.27	8.57	9.29	10.17	10.53	11.06	11.38	11.39	11.20	10.09
	15	9.63	9.19	8.76	8.72	9.08	9.71	10.26	11.02	11.19	11.67	11.67	11.54	10.65
	16	9.40	8.86	8.59	8.84	9.13	9.64	9.93	10.41	10.94	10.98	11.07	10.70	10.46
	17	8.86	8.27	7.98	8.09	8.36	8.88	9.32	9.84	10.28	10.60	10.62	10.42	9.81
	18	9.31	8.62	8.33	8.19	8.63	9.28	10.09	10.51	10.72	11.07	10.99	10.73	9.98
	19	8.81	8.17	7.68	7.64	7.97	8.77	9.53	9.96	10.28	10.56	10.66	10.34	9.71
	20	8.23	7.48	7.17	7.20	7.80	8.33	8.94	9.49	9.94	10.33	10.38	10.07	9.32
	21	9.18	8.36	7.76	7.51	7.90	8.52	8.97	9.96	10.56	10.73	10.96	10.60	9.79
	22	9.07	8.46	7.87	7.76	8.00	8.66	9.24	9.87	10.43	10.68	10.62	10.15	9.88
	23	8.36	7.61	7.21	7.21	7.62	8.06	8.71	9.22	9.66	10.09	10.32	10.26	9.28
	24	9.12	8.51	8.32	8.36	8.59	9.12	9.81	10.28	10.81	11.28	11.36	11.13	9.82
	25	9.35	8.76	8.46	8.52	8.72	9.29	9.98	10.54	10.91	11.34	11.31	10.85	10.32
	26	9.33	8.88	8.66	8.67	8.73	9.17	9.62	10.53	10.93	10.83	10.88	10.83	10.15
	27	9.26	8.56	8.21	8.28	8.60	9.15	9.92	10.49	10.68	10.99	10.87	10.85	10.14
	28	9.23	8.66	8.36	8.21	8.55	9.26	9.74	10.49	10.96	11.38	11.41	11.43	10.21
	29	9.72	9.20	9.03	9.05	9.33	10.01	10.73	10.92	11.46	11.62	11.67	11.35	10.60
	30	9.47	9.01	8.68	8.61	8.98	9.59	10.14	10.89	11.42	11.67	11.74	11.39	10.59
Hourly Means.		9.05	8.43	8.07	8.05	8.36	8.93	9.54	10.14	10.55	10.81	10.83	10.58	9.89

STANDARD THERMOMETER.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
S E P T E M B E R.	1	74.0	73.4	72.4	72.0	71.6	71.0	72.0	76.5	81.4	81.1	86.3	85.9	—
	2	72.4	71.5	70.3	70.0	69.5	68.9	69.8	73.0	78.5	82.8	85.0	84.5	—
	3	73.0	72.2	71.1	70.1	69.7	69.3	70.0	73.2	78.9	82.6	85.2	87.5	—
	4	74.2	73.3	72.3	71.3	70.3	69.6	71.0	75.0	79.4	82.6	85.8	85.6	—
	5	73.0	72.3	71.6	71.0	70.7	70.3	71.2	74.5	79.0	82.1	85.2	87.0	—
	6	73.7	73.0	72.2	71.6	71.0	70.7	71.3	75.4	79.4	83.0	86.0	87.7	—
	7	73.1	72.7	71.9	71.4	70.6	70.1	71.5	75.8	80.5	84.2	87.1	90.4	—
	8	75.3	74.3	74.0	73.5	73.3	73.0	73.5	77.0	81.0	83.9	86.8	89.6	—
	9	75.0	74.1	73.1	72.6	72.0	72.0	72.9	75.1	80.1	83.3	85.3	87.3	—
	10	77.4	76.4	75.5	74.3	73.5	73.5	74.1	77.3	80.9	84.0	86.1	87.0	—
	11	76.2	74.8	74.6	73.8	73.3	73.1	73.8	77.4	82.2	85.0	87.7	88.1	—
	12	76.6	75.2	74.1	74.0	73.5	72.9	73.3	76.7	79.8	82.2	85.1	86.1	—
	13	75.4	74.6	73.5	73.2	72.9	72.4	73.2	78.0	82.1	85.3	86.8	86.3	—
	14	76.2	75.8	75.0	74.1	73.3	72.6	74.0	78.1	81.4	83.8	87.0	87.0	—
	15	74.7	74.9	74.9	74.9	74.9	74.3	74.0	75.0	76.5	79.4	81.9	82.6	—
	16	74.8	74.6	74.3	74.3	74.1	73.6	74.1	76.1	80.3	83.0	86.0	88.0	—
	17	76.1	76.0	75.7	74.5	73.3	73.1	74.1	77.7	81.3	83.7	86.1	86.9	—
	18	77.1	76.1	75.0	74.5	74.3	74.3	76.0	78.2	80.5	84.6	84.0	84.3	—
	19	75.7	74.7	73.7	73.7	73.7	73.7	75.3	78.3	82.3	85.1	86.5	87.8	—
	20	77.8	76.8	76.2	76.3	76.0	75.0	76.0	78.6	80.1	83.5	86.1	87.3	—
	21	78.0	77.7	76.7	75.8	74.8	74.4	75.2	77.4	82.1	85.7	88.6	87.0	—
	22	77.7	77.0	75.5	74.9	74.0	73.5	74.0	78.0	81.8	85.8	88.8	90.0	—
	23	78.3	78.1	78.0	77.0	76.7	76.0	76.9	79.1	82.2	85.2	87.0	89.0	—
	24	80.0	79.5	78.6	78.0	77.6	76.6	77.1	80.2	83.3	85.0	86.8	86.4	—
	25	79.1	78.3	77.6	76.2	75.0	74.3	74.5	78.0	81.6	83.9	85.5	85.5	—
	26	78.0	77.1	75.7	75.3	74.5	74.0	75.0	78.7	82.0	85.4	87.0	86.7	—
	27	76.0	75.0	74.7	74.5	73.4	72.7	71.0	77.6	81.7	85.7	88.7	88.1	—
	28	76.4	75.7	74.7	74.2	73.6	73.8	75.5	79.2	83.2	86.2	88.3	87.5	—
	29	78.3	77.0	75.5	74.6	74.4	73.7	75.3	78.8	82.1	85.4	86.0	87.4	—
	30	75.2	73.8	73.5	72.7	72.2	72.4	73.1	77.1	81.4	84.5	87.5	89.0	—
Hourly Means.		75.96	75.20	74.40	73.81	73.26	72.83	73.72	77.03	80.90	84.03	86.34	87.12	—
Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
S E P T E M B E R.	1	86.1	87.4	86.8	85.6	84.0	82.5	80.8	79.6	77.6	76.7	75.8	74.0	79.06
	2	85.5	86.0	85.5	84.0	82.8	81.3	79.7	78.3	76.6	75.0	75.6	74.1	77.53
	3	87.8	86.8	86.0	83.8	82.8	81.3	80.2	79.3	78.4	77.5	76.7	75.4	78.28
	4	86.2	86.4	86.2	85.7	84.5	82.1	80.5	79.7	77.8	77.0	75.8	74.5	78.61
	5	85.9	86.0	86.0	84.4	82.8	81.0	80.1	78.6	77.5	77.0	75.8	74.7	78.24
	6	85.6	86.0	85.3	83.6	82.9	81.6	80.1	78.4	76.7	76.0	74.8	73.3	78.30
	7	88.0	89.2	88.0	85.9	84.2	82.0	81.0	80.6	80.0	79.0	77.7	76.5	79.64
	8	86.8	87.0	85.6	85.2	83.8	82.4	82.0	81.0	79.8	78.4	77.3	76.0	80.02
	9	86.9	86.0	85.2	85.0	84.1	82.8	82.2	81.0	80.4	79.2	78.2	78.3	79.67
	10	87.5	86.9	86.1	84.4	83.2	81.8	81.4	80.8	79.8	78.7	77.7	77.1	80.22
	11	86.6	84.6	81.7	82.7	82.1	81.6	81.1	80.8	80.0	78.7	78.4	77.6	79.95
	12	85.2	85.7	86.0	85.0	83.6	82.0	81.0	80.0	79.5	78.5	77.4	76.5	79.58
	13	85.7	85.2	84.5	84.0	82.3	81.6	81.0	80.4	80.0	79.3	78.0	77.0	79.70
	14	87.3	87.1	86.0	83.5	82.2	81.7	81.6	81.4	79.2	77.0	75.8	75.3	79.85
	15	85.1	85.3	84.2	83.0	81.7	80.7	80.1	79.7	79.2	77.1	76.2	75.2	78.56
	16	87.0	85.0	84.0	83.0	82.0	80.8	80.5	80.6	79.7	78.2	77.1	76.1	79.47
	17	85.8	85.1	81.9	84.0	82.4	81.4	80.6	80.5	79.9	79.1	79.0	78.0	79.97
	18	85.5	86.3	85.1	84.3	83.0	81.6	81.0	80.0	79.4	78.8	78.0	77.0	79.95
	19	86.4	86.2	85.7	85.0	84.2	83.0	82.5	81.7	81.2	80.5	79.5	79.0	80.64
	20	87.4	88.0	87.7	86.0	84.0	83.0	82.1	81.9	81.2	80.0	79.0	78.4	81.18
	21	87.6	89.0	87.6	87.5	86.0	84.2	82.5	80.6	80.3	80.0	79.4	78.5	81.53
	22	88.0	87.0	86.2	85.4	85.0	84.0	83.1	82.5	82.0	81.5	80.5	78.6	81.45
	23	87.7	87.7	87.2	85.7	84.0	83.2	83.0	82.5	81.9	80.9	80.9	80.7	82.04
	24	87.2	86.5	85.6	84.0	83.6	83.2	82.6	82.1	81.6	80.8	80.3	80.1	81.95
	25	86.1	85.5	85.5	84.7	83.0	82.0	81.5	81.0	80.6	80.0	80.0	79.0	80.77
	26	86.4	86.6	85.6	85.1	83.9	82.5	81.7	80.5	80.0	79.0	77.4	76.7	80.62
	27	87.3	87.3	87.3	86.0	84.0	82.8	82.4	82.0	81.0	79.6	78.5	77.3	80.73
	28	88.7	87.2	87.0	87.3	85.4	83.2	82.0	80.9	80.6	80.0	79.5	79.2	81.22
	29	86.0	86.2	86.2	85.0	84.2	82.8	81.8	80.7	79.4	78.0	76.8	76.0	80.48
	30	86.8	86.3	85.3	84.3	83.2	81.8	81.0	79.6	78.2	77.2	76.8	75.6	79.52
Hourly Means.		86.67	86.52	85.90	84.77	83.50	82.20	81.37	80.56	79.65	78.62	77.80	76.86	79.96

RELATIVE HUMIDITY OF THE AIR.

SATURATION = 1000.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
SEPTEMBER.	1	812	827	858	866	883	881	866	747	557	497	486	519	—
	2	791	806	828	836	870	879	862	800	645	533	480	567	—
	3	818	842	865	889	871	861	836	777	681	564	493	448	—
	4	838	861	867	874	854	835	812	742	648	557	513	542	—
	5	818	807	796	794	811	801	778	687	578	530	481	463	—
	6	853	860	858	848	847	846	830	737	649	554	486	467	—
	7	827	834	857	856	855	871	848	761	689	578	427	368	—
	8	848	862	812	818	819	835	836	749	675	641	531	504	—
	9	840	862	886	894	893	884	902	864	707	611	534	543	—
	10	819	825	840	853	861	861	845	758	702	602	587	561	—
	11	841	863	854	861	860	852	845	780	640	587	523	548	—
	12	842	863	878	853	844	835	860	803	736	634	608	558	—
	13	823	846	869	877	886	885	852	701	614	528	530	569	—
	14	850	856	864	879	877	868	829	730	677	596	537	556	—
	15	897	897	888	871	813	845	853	822	833	727	653	552	—
	16	773	772	779	771	771	794	795	769	646	586	527	485	—
	17	770	754	761	772	810	818	779	707	657	614	539	573	—
	18	773	785	798	813	813	829	784	738	723	630	660	661	—
	19	832	846	869	887	895	887	823	776	668	582	582	565	—
	20	813	842	849	850	865	880	873	784	708	619	570	545	—
	21	768	781	787	808	822	829	815	765	632	500	434	507	—
	22	767	788	824	831	837	844	845	730	665	514	468	442	—
	23	807	807	799	843	818	841	811	764	681	602	561	500	—
	24	781	786	784	791	782	795	765	723	638	569	566	558	—
	25	793	799	797	777	798	820	796	744	685	621	620	602	—
	26	821	843	856	872	871	887	839	732	618	547	543	560	—
	27	841	847	846	846	877	876	837	789	679	561	495	543	—
	28	866	873	888	887	887	887	840	816	645	576	511	570	—
	29	853	834	848	846	805	803	783	725	680	590	593	551	—
	30	815	828	836	842	841	841	826	750	664	599	511	524	—
Hourly Means.		820	830	838	844	845	849	829	759	667	582	535	532	
Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
SEPTEMBER.	1	508	475	489	506	546	557	606	615	656	666	692	755	661
	2	559	543	547	581	647	683	699	731	726	783	769	789	706
	3	501	554	580	627	670	705	730	764	777	797	803	823	720
	4	533	516	521	523	559	620	701	712	736	779	784	805	697
	5	543	525	501	584	642	682	715	755	781	788	808	830	687
	6	542	532	540	575	597	618	673	717	749	762	805	844	700
	7	513	475	508	551	591	686	725	746	759	785	806	818	698
	8	596	567	576	587	659	659	679	732	772	777	789	833	715
	9	583	586	614	582	596	670	721	739	736	748	776	791	732
	10	539	535	568	635	690	763	776	790	824	838	852	851	741
	11	601	617	631	689	708	735	761	768	773	808	814	829	742
	12	588	585	532	600	626	680	732	758	779	784	812	795	733
	13	577	600	622	653	694	748	775	796	795	809	806	834	737
	14	475	549	609	699	729	741	762	755	854	916	923	872	750
	15	576	590	648	676	699	746	781	816	839	883	770	766	769
	16	549	613	621	657	700	725	738	745	786	807	788	770	707
	17	609	619	631	640	660	726	753	759	787	808	816	829	717
	18	595	539	563	615	670	705	746	758	764	770	791	819	723
	19	577	545	572	587	635	670	694	727	755	774	785	793	722
	20	534	538	547	574	608	624	646	680	697	728	733	754	703
	21	522	535	540	528	568	610	595	667	680	700	727	739	661
	22	508	542	574	602	594	601	671	702	721	726	753	793	681
	23	530	501	521	578	628	657	650	682	721	761	768	768	692
	24	562	552	603	687	626	618	654	686	705	738	744	773	687
	25	568	609	541	599	670	728	713	704	724	744	766	801	709
	26	545	529	542	564	589	661	720	753	773	793	812	834	713
	27	557	580	592	617	693	745	765	764	805	833	846	859	737
	28	540	603	615	580	595	697	750	775	797	833	832	839	738
	29	586	593	587	637	615	670	693	738	771	798	811	808	718
	30	561	582	627	648	671	727	739	772	799	828	834	856	730
Hourly Means.		553	558	572	606	639	682	712	737	761	785	794	809	714

DIRECTION OF THE WIND.

Mean Batavia Time.	1 A. M.	2	3	4	5	6	7	8	9	10	11	12
SEPTEMBER.	1	C	C	C	C	C	C	SSE	SE	SE	E	NE
	2	C	C	C	C	C	C	C	SSE	E	ENE	NNE
	3	C	C	C	C	C	C	C	E	SE	ESE	ENE
	4	C	C	C	C	C	C	C	ESE	E	ENE	NE
	5	C	C	C	C	C	ENE	SE	S	SSW	ENE	NNE
	6	C	C	C	C	C	C	C	NNE	NE	ESE	NNE
	7	C	C	C	C	C	C	C	ENE	ESE	ENE	ESE
	8	C	C	C	C	C	C	NE	NNE	SSW	S	ESE
	9	C	C	C	C	C	C	C	N	SSW	S	SSW
	10	C	C	C	C	C	C	C	C	ENE	ENE	NE
	11	C	C	C	C	C	C	C	NW	SSW	SSW	NE
	12	C	C	C	C	C	C	NE	NNW	WNW	NNW	NE
	13	C	C	C	C	C	C	N	SSW	S	SE	W
	14	C	C	C	C	C	C	NE	NNE	NNE	NNW	SSE
	15	S	S	C	S	SSW	C	C	SSW	SSW	SSW	ENE
	16	SW	SW	SW	SW	SW	C	SW	SW	SSW	SW	ESE
	17	NE	C	C	C	C	NE	NE	SSW	SW	S	SE
	18	NNE	C	C	C	C	C	C	C	NNE	S	WSW
	19	C	C	C	C	C	C	C	NE	ENE	NE	NNE
	20	C	C	C	C	C	C	C	ESE	SE	SE	ESE
	21	C	C	C	C	C	ENE	C	ENE	E	E	ESE
	22	C	C	C	C	C	C	E	SSW	S	E	ENE
	23	C	C	C	C	C	C	NE	ENE	WSW	SE	SSW
	24	C	C	C	C	C	C	ENE	E	SE	ESE	NE
	25	C	C	C	C	C	C	ESE	ESE	SE	ENE	NNE
	26	C	C	C	C	C	C	ENE	ESE	E	ESE	NE
	27	C	C	C	C	C	NE	NE	ENE	ESE	E	NNE
	28	C	C	C	C	C	C	C	NNE	E	ESE	E
	29	NE	NE	NE	NE	NE	NE	SE	SSW	WSW	NW	NNW
	30	C	C	C	C	NE	NE	NE	ENE	W	WNW	W

Mean Batavia Time.	1 P. M.	2	3	4	5	6	7	8	9	10	11	12
SEPTEMBER.	1	NE	NE	NE	NE	NE	E	E	E	C	E	ESE
	2	NNE	NNE	NNE	NNE	NNE	NE	NE	C	C	C	C
	3	NNE	NNE	NNE	NE	ENE	NE	ENE	C	C	C	C
	4	NNE	NNE	NE	NE	NE	NE	ENE	C	C	C	C
	5	N	N	NNE	NNE	NE	NNE	C	C	C	C	C
	6	NNE	NNE	NNE	NE	NE	ENE	C	C	C	C	C
	7	NNE	NE	NE	NE	NE	NE	C	C	C	C	C
	8	NNE	NNE	NNE	NNE	NNE	NNE	C	C	C	C	C
	9	NNE	N	NNE	NNE	N	N	C	C	C	C	C
	10	NE	NE	NE	NE	NE	NNE	C	C	C	C	C
	11	NNE	NNE	NNE	NE	NE	NE	C	C	C	C	C
	12	NNE	NNE	NE	NNE	N	N	C	C	C	C	C
	13	NE	NNE	NNE	NE	NNE	NE	NE	NE	C	C	C
	14	NNW	NNE	NNE	NNE	NNE	NNE	NNE	E	ESE	S	S
	15	NNE	NNE	NE	NE	NE	NNE	NNE	C	NNE	SSW	SSW
	16	NE	NNE	NNE	NNE	NNE	NE	NE	C	C	C	C
	17	NNE	NNE	NNE	NE	NE	NE	NNE	C	C	C	C
	18	NNE	NNE	NNE	NE	NNE	NNE	C	C	C	C	C
	19	NNE	NNE	NNE	NNE	NE	NE	NE	NE	C	C	C
	20	NNE	NE	NE	NE	NE	ENE	ENE	C	C	C	C
	21	NE	NE	NNE	NE	ENE	ENE	E	C	C	C	C
	22	NE	NE	NE	NE	NE	NE	NE	NE	C	C	C
	23	NNE	NNE	NNE	NNE	NNE	NE	ENE	C	C	C	C
	24	NNE	NNE	NE	NNE	NE	ENE	ENE	C	C	C	C
	25	N	NE	NNE	NE	NE	NE	ENE	ENE	C	C	C
	26	NNE	NNE	NE	NE	NNE	NE	NE	C	C	NE	C
	27	N	NNE	NNE	NE	NNE	NNE	C	C	C	C	C
	28	N	NNE	NE	ENE	NE	NE	C	C	C	C	NE
	29	NNE	NNE	NE	NE	NE	NE	C	C	C	C	C
	30	NNE	NNE	NNE	NNE	NNE	N	C	C	C	C	C

VELOCITY OF THE WIND IN KILOMETERS PER HOUR.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
SEPTEMBER.	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.4	14.5	14.5	11.3	13.7	—
	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.8	8.0	4.8	11.3	—
	3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.8	5.6	6.4	5.6	—
	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	3.2	7.2	13.7	—
	5	0.0	0.0	0.0	0.0	0.0	1.6	1.6	1.6	2.4	3.2	6.4	12.9	—
	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	4.0	4.8	8.0	14.5	—
	7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	7.2	8.0	12.1	11.3	—
	8	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.6	3.2	3.2	4.0	7.2	—
	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	4.0	4.8	3.2	6.4	—
	10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	4.0	7.2	14.5	—
	11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.8	6.4	6.4	7.2	12.1	—
	12	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.6	2.4	2.4	4.8	11.3	—
	13	0.0	0.0	0.0	0.0	0.0	0.0	3.2	6.4	6.4	4.8	6.4	16.9	—
	14	0.0	0.0	0.0	0.0	0.0	0.0	1.6	0.8	2.4	4.0	4.8	9.7	—
	15	1.6	0.8	0.0	0.8	0.8	0.0	0.0	1.6	3.2	3.2	2.4	6.4	—
	16	0.8	1.6	1.6	1.6	0.8	0.0	0.8	4.8	6.4	5.6	7.2	5.6	—
	17	0.8	0.0	0.0	0.0	0.0	0.8	1.6	4.0	4.8	4.0	5.6	10.5	—
	18	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	4.8	4.0	8.0	—
	19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	3.2	4.8	5.6	11.3	—
	20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.6	6.4	8.0	8.9	6.4	—
	21	0.0	0.0	0.0	0.0	0.0	1.6	0.0	0.8	4.0	10.5	14.5	16.9	—
	22	0.0	0.0	0.0	0.0	0.0	0.0	1.6	5.6	5.6	9.7	8.0	15.3	—
	23	0.0	0.0	0.0	0.0	0.0	0.0	1.6	2.4	3.2	4.8	4.8	10.5	—
	24	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.6	3.2	5.6	10.5	19.3	—
	25	0.0	0.0	0.0	0.0	0.0	0.0	1.6	0.8	2.4	6.4	12.1	13.7	—
	26	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.6	4.8	6.4	10.5	15.3	—
	27	0.0	0.0	0.0	0.0	0.0	0.8	0.8	1.6	7.2	8.9	12.9	13.7	—
	28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	8.0	8.9	10.5	15.3	—
	29	1.6	1.6	1.6	1.6	1.6	3.2	3.2	2.4	3.2	4.8	8.0	13.7	—
	30	0.0	0.0	0.0	0.0	1.6	1.6	2.4	4.0	4.8	4.8	4.8	13.7	—
Hourly Means.		0.19	0.13	0.11	0.13	0.16	0.32	0.77	2.35	4.70	5.94	7.47	11.89	—
Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
SEPTEMBER.	1	20.9	16.9	16.1	16.1	9.7	5.6	1.6	0.8	0.0	1.6	0.8	0.0	6.27
	2	12.1	14.5	14.5	12.9	9.7	4.0	0.8	0.0	0.0	0.0	0.0	0.0	4.06
	3	13.7	17.7	19.3	17.7	13.7	5.6	2.4	0.8	0.0	0.0	0.0	0.0	4.72
	4	15.3	11.3	16.1	15.3	9.7	6.4	1.6	0.0	0.0	0.0	0.0	0.0	4.26
	5	13.7	15.3	15.3	15.3	12.1	3.2	0.0	0.0	0.0	0.0	0.0	0.0	4.36
	6	12.9	13.7	16.1	14.5	11.3	2.4	0.0	0.0	0.0	0.0	0.0	0.0	4.33
	7	12.9	15.3	19.3	16.9	12.9	4.8	0.0	0.0	0.0	0.0	0.0	0.0	5.13
	8	15.3	17.7	18.5	14.5	11.3	3.2	0.0	0.0	0.0	0.0	0.0	0.0	4.19
	9	12.1	12.9	15.3	12.1	7.2	1.6	0.0	0.0	0.0	0.0	0.0	0.0	3.35
	10	16.1	17.7	18.5	19.3	13.7	6.4	0.8	0.0	0.0	0.0	0.0	0.0	5.09
	11	20.1	20.1	17.7	9.7	6.4	4.8	3.2	0.0	0.0	0.0	0.0	0.0	4.95
	12	18.5	18.5	16.9	12.9	8.9	3.2	0.0	0.0	0.0	0.0	0.0	0.0	4.26
	13	18.5	16.9	18.5	16.1	10.5	5.6	1.6	0.8	0.8	0.0	0.0	0.0	5.56
	14	12.9	14.5	17.7	15.3	8.9	5.6	4.8	3.2	2.4	1.6	3.2	0.8	4.76
	15	8.9	15.3	16.1	14.5	11.3	3.2	1.6	0.0	0.8	1.6	1.6	3.2	4.12
	16	11.3	18.5	16.1	12.9	10.5	3.2	0.8	0.0	0.0	0.0	0.0	0.0	4.59
	17	13.7	18.5	15.3	15.3	10.5	4.8	2.4	0.0	0.0	0.0	0.0	0.8	4.73
	18	14.5	14.5	19.3	15.3	10.5	2.4	0.0	0.0	0.0	0.0	0.0	0.0	3.99
	19	16.1	16.9	17.7	14.5	10.5	4.8	2.4	0.8	0.8	0.0	0.0	0.0	4.66
	20	14.5	19.3	20.1	18.5	15.3	12.1	5.6	0.0	0.0	0.0	0.0	0.0	5.86
	21	21.7	21.7	21.7	20.1	18.5	11.3	4.8	0.8	0.0	0.0	0.0	0.0	7.04
	22	20.1	21.7	20.1	16.9	12.9	3.2	3.2	0.8	1.6	0.0	0.0	0.0	6.10
	23	17.7	19.3	17.7	16.1	12.1	8.0	3.2	0.8	0.0	0.0	0.0	0.0	5.09
	24	20.9	21.7	18.5	16.9	10.5	6.4	1.6	0.0	0.0	0.0	0.0	0.0	5.73
	25	12.9	17.7	17.7	18.5	11.3	7.2	4.8	4.8	0.8	0.0	0.0	0.0	5.53
	26	15.3	19.3	16.1	13.7	9.7	4.8	0.8	0.0	0.0	0.0	0.8	6.0	5.00
	27	16.1	16.1	19.3	17.7	10.5	4.8	0.0	0.0	0.0	0.0	0.0	0.0	5.43
	28	19.3	22.5	22.5	19.3	16.9	8.0	0.0	0.0	0.0	0.0	0.0	0.8	6.47
	29	16.1	15.3	18.5	16.1	14.5	4.0	0.0	0.0	0.0	0.0	0.0	0.0	5.46
	30	18.5	18.5	14.5	12.9	8.0	1.6	0.0	0.0	0.0	0.0	0.0	0.0	4.65
Hourly Means.		15.75	17.33	17.70	15.59	11.32	5.07	1.60	0.45	0.24	0.16	0.21	0.19	4.99

CLOUDS.

CLEAR = 0. — OVERCAST = 10.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
S E P T E M B E R.	1	5	4	4	2	3	4	1	0	1	1	4	7	—
	2	6	4	6	6	4	6	3	2	2	3	2	4	—
	3	7	3	3	3	2	1	3	4	3	0	1	5	—
	4	6	5	6	4	3	3	1	1	2	2	4	3	—
	5	1	1	2	1	2	2	3	2	3	1	3	2	—
	6	3	2	3	4	4	4	1	0	0	0	1	2	—
	7	3	2	2	3	4	6	3	2	3	3	2	4	—
	8	3	3	3	2	2	1	3	2	0	0	0	3	—
	9	6	6	6	5	4	3	1	1	2	2	4	6	—
	10	2	1	2	1	5	3	4	2	3	7	5	3	—
	11	3	3	4	2	2	3	1	0	0	3	5	5	—
	12	5	3	3	2	2	4	3	2	3	6	8	2	—
	13	2	2	3	3	3	1	2	1	0	5	5	3	—
	14	6	7	5	5	4	4	3	4	4	6	7	7	—
	15	9	10	10	9	10	10	10	10	10	6	9	10	—
	16	5	4	3	5	5	3	6	6	2	2	4	3	—
	17	7	8	2	1	2	1	2	1	1	3	5	7	—
	18	4	3	3	2	2	3	5	8	7	6	7	8	—
	19	6	5	8	6	10	6	4	4	6	7	5	6	—
	20	2	2	3	6	2	5	3	2	9	8	6	6	—
	21	10	9	8	4	3	5	10	6	1	2	3	3	—
	22	3	1	0	0	1	3	4	2	2	2	3	4	—
	23	4	4	10	10	10	4	2	5	4	7	6	7	—
	24	10	9	10	10	10	8	1	1	2	6	6	7	—
	25	7	9	3	6	3	2	3	3	2	10	5	6	—
	26	3	2	4	4	3	3	1	0	1	1	3	2	—
	27	5	4	7	3	4	5	2	3	4	5	7	5	—
	28	6	6	3	3	7	4	2	1	3	4	6	5	—
	29	5	4	4	3	2	1	1	1	2	6	4	4	—
	30	1	0	2	3	4	6	4	3	3	2	3	3	—
Hourly Means.		4.8	4.2	4.4	3.9	4.1	3.8	3.1	2.6	2.8	3.9	4.4	4.7	—
Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
S E P T E M B E R.	1	3	2	1	3	4	3	6	4	4	2	2	3	3.0
	2	3	2	1	1	3	4	6	5	5	7	9	9	4.3
	3	2	1	2	1	4	4	7	3	2	1	2	1	2.7
	4	3	2	1	0	2	4	3	4	4	2	3	3	3.0
	5	1	1	2	2	1	1	6	3	7	6	5	5	2.6
	6	3	2	1	2	3	4	3	3	2	2	2	3	2.3
	7	1	2	1	0	2	3	7	10	10	8	6	6	3.9
	8	3	2	0	0	2	4	5	3	2	2	2	2	2.0
	9	3	3	2	3	4	4	5	6	5	4	8	7	4.2
	10	2	2	1	1	3	3	4	8	7	5	5	5	3.5
	11	6	5	6	10	10	10	10	10	6	7	4	2	4.9
	12	3	2	0	1	1	3	4	10	7	6	5	5	3.8
	13	1	0	2	0	1	2	8	6	7	3	3	2	2.7
	14	6	4	2	4	5	10	10	10	10	10	10	10	6.4
	15	7	6	6	4	3	3	5	9	8	6	2	1	7.2
	16	10	5	7	5	5	4	7	6	4	4	8	6	5.0
	17	4	2	2	2	2	8	4	9	10	10	10	8	4.6
	18	2	2	3	1	2	3	5	8	7	9	4	0	4.3
	19	4	2	1	0	5	9	10	7	8	8	8	7	5.9
	20	6	7	3	2	4	3	10	9	9	7	8	10	5.5
	21	5	4	5	3	2	2	3	7	6	6	4	2	4.7
	22	2	2	3	4	4	9	10	10	10	10	6	6	4.2
	23	2	0	2	2	5	10	10	9	9	9	10	10	6.3
	24	2	1	4	7	8	7	9	10	10	10	10	10	7.0
	25	3	2	2	4	6	7	8	10	10	10	10	6	5.7
	26	5	4	4	2	3	3	2	6	8	8	8	6	3.6
	27	3	4	2	2	2	4	10	10	6	6	4	4	4.6
	28	3	2	3	2	0	0	1	1	5	8	10	10	4.0
	29	2	1	3	4	6	7	5	5	4	3	3	3	3.5
	30	2	1	1	1	3	2	1	0	1	1	0	0	2.0
Hourly Means.		3.4	2.5	2.4	2.4	3.5	4.7	6.1	6.7	6.4	6.0	5.7	5.1	4.23

BAROMETRIC PRESSURE.

BAROMETER AT 0°C = 750 MILLIMETRES + THE NUMBERS IN THE TABLE.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
OCTOBER.	1	11.17	10.78	10.35	10.39	10.60	10.93	11.53	11.81	11.55	11.20	10.49	9.96	—
	2	11.12	10.78	10.53	10.51	10.75	11.08	11.38	11.81	11.59	11.28	10.70	10.12	—
	3	10.48	10.05	10.00	10.26	10.53	10.85	11.16	11.56	11.59	11.35	10.61	10.23	—
	4	10.69	10.25	10.01	10.51	10.84	11.04	11.20	11.65	11.64	11.24	10.51	9.85	—
	5	10.47	9.99	10.03	9.93	10.24	10.65	11.00	11.44	11.57	11.39	11.03	10.37	—
	6	10.98	10.45	10.08	10.17	10.30	10.95	11.38	11.74	11.63	11.51	10.89	10.20	—
	7	10.99	10.67	10.58	10.40	10.73	11.24	12.03	12.52	12.50	12.27	11.83	10.95	—
	8	10.60	10.53	10.24	10.45	10.59	10.95	11.75	11.99	12.28	12.11	11.54	10.66	—
	9	11.16	10.89	10.91	10.94	11.22	11.64	11.86	12.04	11.97	11.53	10.79	9.96	—
	10	10.80	10.44	10.36	10.49	10.64	11.01	11.52	11.91	11.90	11.52	10.81	10.14	—
	11	10.88	10.90	10.73	10.84	10.91	11.24	11.71	11.94	11.62	11.27	10.43	9.78	—
	12	10.09	9.74	9.63	9.65	9.83	10.00	10.59	10.82	10.78	10.13	9.46	8.76	—
	13	9.04	8.68	8.60	8.64	8.94	9.34	9.92	10.37	10.47	10.28	9.57	8.95	—
	14	10.09	9.82	9.75	9.73	9.99	10.75	10.84	11.15	11.04	10.58	10.01	9.33	—
	15	10.41	10.04	10.02	10.03	10.35	10.73	11.28	11.72	11.74	11.54	10.86	10.10	—
	16	10.50	10.18	9.80	9.83	10.22	10.54	11.32	11.62	11.59	11.24	10.71	10.13	—
	17	9.62	9.25	9.06	8.85	9.07	9.49	10.09	10.68	10.82	10.56	9.91	9.32	—
	18	9.73	9.09	8.95	8.96	9.53	9.94	10.73	10.83	10.84	10.53	10.16	9.13	—
	19	9.30	8.89	8.65	8.58	9.24	9.73	9.97	10.29	10.46	10.06	9.36	8.67	—
	20	9.49	9.18	8.94	9.12	9.44	9.94	10.46	10.73	10.64	10.27	9.85	9.20	—
	21	10.24	9.90	9.75	9.73	10.00	10.48	10.88	11.28	11.43	10.98	10.41	9.61	—
	22	9.18	8.87	8.77	8.90	9.16	9.70	10.59	10.97	10.94	10.46	9.80	8.95	—
	23	9.13	8.68	8.21	8.43	8.51	9.10	9.64	9.77	9.66	9.28	8.65	8.06	—
	24	9.09	8.73	8.65	8.74	9.06	9.35	9.69	9.92	9.78	9.48	9.03	8.46	—
	25	9.99	9.63	9.25	9.05	9.12	9.49	9.85	10.54	10.47	10.08	9.61	9.02	—
	26	9.72	9.66	9.52	9.28	9.45	9.85	10.43	10.85	10.69	10.46	9.96	9.37	—
	27	9.58	9.47	9.28	9.30	9.33	9.65	10.23	10.67	10.66	10.48	9.83	8.96	—
	28	9.04	8.65	8.58	8.84	9.05	9.57	10.35	10.58	10.52	10.16	9.68	8.92	—
	29	9.13	8.95	8.61	8.64	9.05	9.34	9.43	9.68	9.61	9.27	8.82	8.34	—
	30	9.21	9.01	8.84	9.21	9.32	9.38	9.95	10.38	10.24	10.11	9.54	8.72	—
	31	8.90	8.56	8.67	8.69	8.95	8.82	9.60	10.28	10.35	10.03	9.98	9.46	—
Hourly Means.		10.03	9.70	9.53	9.58	9.84	10.22	10.72	11.08	11.05	10.73	10.16	9.47	—
Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
OCTOBER.	1	9.32	8.91	8.60	8.80	9.00	9.67	10.32	10.96	11.39	11.78	11.78	11.44	10.53
	2	8.92	8.46	8.24	8.16	8.32	9.20	9.76	10.43	10.94	11.57	11.43	11.09	10.34
	3	9.45	9.01	8.71	8.51	8.76	9.06	10.13	10.82	11.23	11.60	11.65	11.30	10.37
	4	9.16	8.87	8.56	8.76	8.92	9.55	10.16	10.74	11.18	11.43	11.32	10.79	10.37
	5	9.38	8.63	8.32	8.28	8.47	9.18	9.41	10.03	10.83	11.22	11.21	11.07	10.17
	6	9.52	9.00	8.70	8.52	8.86	9.67	10.14	10.94	11.21	11.64	11.54	11.40	10.48
	7	10.28	9.57	8.92	8.93	9.30	10.41	10.89	11.34	11.57	11.89	11.93	11.39	10.96
	8	10.22	9.60	9.25	9.27	9.63	10.18	10.87	11.23	11.42	11.53	11.35	11.38	10.82
	9	9.53	9.08	8.81	8.72	8.98	9.56	10.37	11.13	11.35	11.67	11.53	11.18	10.70
	10	9.16	8.81	8.56	8.58	8.77	9.22	10.03	10.99	11.58	11.93	11.80	11.47	10.52
	11	9.25	8.66	8.43	8.22	8.48	8.89	9.41	9.83	10.44	10.91	10.65	10.49	10.25
	12	8.20	7.62	7.26	7.15	7.53	8.03	8.44	9.17	9.62	10.14	10.18	9.62	9.27
	13	8.40	8.06	7.61	7.53	8.15	8.66	9.19	9.88	10.18	10.58	10.75	10.68	9.27
	14	8.81	8.34	8.14	7.96	8.32	8.81	9.71	10.07	10.57	11.01	10.88	10.68	9.85
	15	8.85	8.13	7.55	7.47	8.05	8.62	9.53	9.90	10.39	10.72	11.11	10.84	10.00
	16	9.22	8.54	8.10	8.09	8.46	8.91	9.43	9.84	10.38	10.58	10.47	9.87	9.98
	17	8.44	7.72	7.45	7.22	7.84	8.46	8.96	9.74	10.43	10.56	10.59	10.30	9.35
	18	8.14	7.32	6.93	6.97	7.50	8.25	8.86	9.53	9.88	10.37	10.27	9.81	9.26
	19	8.15	7.41	7.04	7.19	8.00	8.51	9.28	9.85	10.41	10.67	10.58	9.79	9.17
	20	7.97	7.31	7.29	7.24	7.70	8.25	8.84	10.08	10.68	10.89	11.06	10.62	9.38
	21	8.92	8.20	7.88	7.80	7.95	8.95	9.26	9.57	10.04	10.28	10.07	9.57	9.72
	22	8.27	7.72	7.47	7.60	7.77	8.36	9.17	9.49	10.02	10.44	10.18	9.89	9.28
	23	7.29	7.00	6.86	6.74	7.26	7.72	8.37	9.04	9.44	10.01	10.06	9.58	8.60
	24	7.70	7.21	7.02	6.81	7.27	7.57	8.67	9.02	9.64	10.38	10.36	10.29	8.83
	25	7.86	7.41	6.92	7.30	7.50	8.22	8.78	9.28	10.22	10.53	10.41	10.19	9.20
	26	8.80	8.07	8.06	7.82	8.20	8.78	8.93	9.67	10.02	10.37	10.19	9.84	9.50
	27	8.27	7.75	7.55	7.76	8.33	8.93	9.41	9.87	10.39	10.36	10.15	9.77	9.42
	28	8.11	7.76	7.45	7.35	8.08	8.47	9.21	9.62	10.03	10.07	10.04	9.63	9.16
	29	7.73	7.26	6.52	6.82	7.28	7.73	8.74	9.43	9.64	9.99	9.84	9.77	8.73
	30	7.62	7.02	6.70	7.13	7.58	8.33	8.81	9.37	9.85	10.13	9.82	9.35	8.98
	31	8.58	8.24	7.90	7.89	8.06	8.49	8.55	9.22	9.61	9.69	9.59	9.35	9.06
Hourly Means.		8.69	8.15	7.83	7.83	8.20	8.79	9.41	10.00	10.47	10.80	10.74	10.40	9.73

STANDARD THERMOMETER.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
OCTOBER.	1	74.7	73.7	73.1	72.7	72.4	72.0	73.6	78.0	82.0	85.5	87.0	87.6	—
	2	75.0	74.2	73.2	72.3	72.0	72.0	73.6	77.6	82.3	87.7	91.0	87.0	—
	3	74.2	73.8	73.2	72.9	72.4	71.8	73.6	78.4	82.2	86.5	88.5	87.8	—
	4	74.6	74.4	74.0	73.7	73.7	74.0	76.0	79.1	83.9	87.5	91.1	90.2	—
	5	78.7	78.0	77.2	76.1	75.0	74.1	75.5	79.6	83.2	83.7	84.7	86.0	—
	6	76.8	76.5	76.1	75.3	74.5	73.8	75.4	79.2	83.2	86.2	87.4	88.8	—
	7	76.8	76.6	76.4	75.2	75.2	75.2	75.8	78.4	81.7	84.0	85.4	86.7	—
	8	74.7	74.6	74.0	73.8	73.8	74.0	74.8	78.8	82.2	84.2	86.0	87.5	—
	9	73.0	72.6	72.2	72.0	71.7	71.5	73.5	78.3	82.5	85.6	89.2	90.7	—
	10	73.7	72.7	72.0	71.5	71.2	71.0	72.3	75.8	80.2	83.8	87.7	87.7	—
	11	74.7	74.4	73.7	73.5	72.7	72.7	74.4	78.4	82.2	86.2	89.3	87.3	—
	12	75.6	75.0	74.2	74.0	73.2	73.2	75.6	80.3	83.7	86.5	89.0	87.0	—
	13	77.2	76.9	76.4	76.0	75.6	75.3	76.2	80.0	82.5	84.2	87.0	88.2	—
	14	77.2	76.7	76.5	75.8	75.0	74.1	75.7	80.3	84.5	88.0	90.0	88.4	—
	15	78.4	78.0	77.7	77.4	77.0	76.6	77.5	81.0	83.6	86.7	88.3	86.8	—
	16	76.7	77.0	76.6	76.2	75.7	74.9	76.3	80.1	84.3	87.1	90.0	87.2	—
	17	76.9	76.9	75.0	75.0	74.8	74.0	75.3	78.4	83.3	85.7	89.8	89.8	—
	18	76.8	75.6	75.0	74.6	74.2	73.6	74.3	79.2	84.0	87.5	89.0	90.6	—
	19	78.6	78.4	78.1	77.4	76.5	76.1	76.2	79.3	85.1	89.1	90.5	93.5	—
	20	77.3	76.5	75.8	75.0	74.7	74.3	76.5	80.1	84.9	88.5	88.2	88.5	—
	21	77.8	77.5	77.1	76.6	76.2	76.2	77.4	81.2	84.6	86.0	86.6	87.6	—
	22	76.0	75.5	75.0	74.8	74.4	74.2	76.0	80.4	84.4	86.7	86.2	88.0	—
	23	78.8	78.2	77.5	76.7	76.0	75.6	77.8	81.6	85.0	88.4	88.6	87.8	—
	24	77.5	76.6	75.7	74.9	74.6	74.3	76.7	81.2	85.6	87.8	89.0	88.8	—
	25	76.7	76.1	75.8	75.0	74.6	74.4	75.8	80.2	83.3	86.6	87.0	89.1	—
	26	80.0	75.4	75.0	74.8	74.6	74.6	75.2	76.7	80.0	83.9	85.7	88.0	—
	27	77.2	77.0	76.6	77.0	76.5	76.7	78.1	80.7	82.6	84.3	86.1	87.1	—
	28	77.3	77.0	76.5	76.3	76.0	76.4	77.6	80.2	82.1	83.3	84.4	86.3	—
	29	76.5	76.5	76.2	76.0	75.5	75.0	76.2	80.4	83.9	85.1	86.4	86.7	—
	30	74.9	74.3	74.3	75.0	74.2	74.0	75.5	78.6	80.6	84.6	86.6	85.3	—
	31	75.5	74.8	74.8	75.0	74.8	74.5	75.3	77.3	81.0	84.6	79.7	80.0	—
Hourly Means.		76.45	75.85	75.32	74.92	74.47	74.20	75.60	79.32	83.05	85.98	87.59	87.87	—
Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
OCTOBER.	1	85.9	85.4	86.5	84.7	83.6	82.5	81.6	79.6	78.3	77.8	76.9	76.3	79.64
	2	92.2	92.8	89.8	89.0	87.6	85.2	82.5	80.5	78.5	77.5	76.0	74.5	81.00
	3	87.8	87.7	87.3	86.3	85.3	84.0	82.4	80.3	78.7	77.3	75.9	75.2	80.15
	4	89.2	86.8	86.6	85.2	84.1	83.0	82.7	82.4	82.7	81.7	81.1	79.7	81.56
	5	86.5	86.7	85.7	84.7	83.4	82.7	82.5	82.0	80.5	79.5	78.2	77.2	80.89
	6	87.6	86.4	85.1	84.0	83.3	82.7	82.1	79.7	78.7	78.5	78.1	77.9	80.72
	7	86.0	85.2	85.0	84.2	82.7	82.5	78.6	78.0	77.7	77.0	76.5	75.7	79.85
	8	85.0	86.4	85.4	81.3	83.0	82.6	78.0	76.9	76.1	75.4	74.7	73.4	79.15
	9	88.4	87.4	86.0	85.2	84.6	83.1	81.0	79.0	77.6	76.6	75.5	74.3	79.65
	10	87.7	86.5	86.3	85.5	84.5	83.1	81.3	79.2	77.8	77.3	76.5	76.0	79.22
	11	87.0	87.5	86.5	84.7	83.9	82.6	82.7	81.4	80.1	79.0	78.1	77.0	80.42
	12	88.0	87.7	86.9	85.3	85.3	84.4	83.5	83.1	81.5	80.5	79.5	78.4	81.39
	13	87.6	86.8	85.6	85.0	83.8	83.3	82.4	80.4	79.0	78.2	78.0	78.0	80.98
	14	89.2	88.5	87.5	86.0	84.3	83.4	83.2	82.8	81.6	80.5	79.6	79.6	82.02
	15	88.4	91.6	92.0	90.4	88.4	86.3	84.0	84.0	81.1	79.9	78.5	78.3	83.00
	16	89.2	90.5	89.1	87.5	85.5	83.8	82.7	81.5	80.5	79.4	78.5	77.3	81.98
	17	90.6	89.7	88.7	88.3	86.0	84.1	83.0	82.0	80.5	79.7	79.3	77.4	81.84
	18	91.0	92.8	90.6	88.3	86.4	84.5	83.1	82.2	81.3	80.5	80.0	79.0	82.25
	19	90.0	90.5	89.6	88.7	86.3	84.2	83.2	82.3	81.0	80.4	79.6	78.2	83.03
	20	89.3	91.1	88.1	87.0	85.0	84.2	82.7	81.1	80.1	79.0	78.7	78.0	81.86
	21	87.5	86.8	85.4	85.4	84.0	83.5	82.5	81.5	80.4	79.1	77.9	76.8	81.48
	22	87.1	87.1	86.3	85.6	84.0	83.0	83.0	82.6	82.0	81.1	80.0	79.0	81.35
	23	88.2	86.7	86.3	85.4	84.4	83.4	83.2	82.0	81.1	80.0	79.5	78.3	82.10
	24	90.0	88.0	87.3	86.0	85.0	83.4	82.8	81.5	80.6	79.4	78.5	77.7	81.79
	25	88.7	88.1	86.2	86.0	85.0	84.3	84.0	83.8	83.0	82.5	82.0	80.0	82.01
	26	87.5	87.5	86.0	85.1	84.0	83.0	82.5	82.0	81.5	80.6	79.6	78.4	80.90
	27	87.4	86.5	85.0	83.8	83.0	82.8	82.5	79.5	78.5	77.8	77.4	77.0	80.88
	28	86.7	86.4	85.9	85.0	83.7	83.2	80.3	79.0	78.7	77.7	77.3	77.1	80.60
	29	86.7	85.8	86.2	85.0	83.4	82.7	81.7	79.7	79.0	76.2	75.9	75.4	80.50
	30	86.6	86.8	85.4	83.7	83.5	82.7	79.5	77.9	77.0	75.9	75.5	75.3	79.49
	31	81.0	82.6	83.7	84.9	84.1	82.9	82.0	80.4	79.6	78.5	78.0	77.4	79.27
Hourly Means.		87.87	87.75	86.84	85.81	84.55	83.45	82.17	80.91	79.83	78.85	78.09	77.22	81.00

RELATIVE HUMIDITY OF THE AIR.

SATURATION = 1000.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
OCTOBER.	1	871	877	860	859	858	866	818	708	626	560	556	552	—
	2	855	829	836	842	858	866	818	743	614	451	348	561	—
	3	764	779	801	818	833	849	794	667	582	500	484	492	—
	4	765	764	771	787	787	771	776	704	577	500	423	486	—
	5	784	791	788	801	806	812	783	699	585	595	600	580	—
	6	733	740	738	774	796	811	791	719	626	552	546	535	—
	7	851	851	865	931	931	906	822	735	597	621	583	—	—
	8	871	879	896	895	895	903	888	785	695	648	636	581	—
	9	860	876	893	892	909	901	869	822	682	572	486	515	—
	10	814	834	841	848	873	882	858	800	639	558	507	512	—
	11	846	862	861	869	885	885	845	747	681	540	466	562	—
	12	856	864	879	853	886	886	832	716	614	577	491	542	—
	13	835	851	857	873	856	847	817	735	689	675	537	509	—
	14	819	834	833	841	847	870	832	774	592	513	474	555	—
	15	807	806	797	819	795	795	774	711	646	560	498	561	—
	16	802	803	833	833	848	855	794	722	616	544	507	611	—
	17	834	827	863	863	863	870	847	784	645	598	522	557	—
	18	842	864	871	862	862	869	845	749	641	546	507	445	—
	19	822	822	821	828	826	817	825	764	613	501	461	384	—
	20	835	850	856	863	862	870	802	651	557	499	520	522	—
	21	868	859	875	882	890	882	844	755	663	611	608	581	—
	22	864	864	897	897	913	904	857	759	605	572	575	583	—
	23	839	853	852	858	856	856	790	707	606	506	529	578	—
	24	828	842	849	864	880	888	834	755	609	524	524	557	—
	25	842	841	841	855	846	854	848	752	645	583	585	558	—
	26	773	930	888	939	947	947	957	949	895	721	622	496	—
	27	867	859	874	875	899	906	861	768	702	675	624	641	—
	28	852	859	874	874	899	891	867	796	729	697	675	619	—
	29	874	866	882	881	889	880	817	745	680	633	613	583	—
	30	922	930	913	930	930	938	880	808	768	669	601	666	—
	31	872	897	913	914	913	913	898	852	739	663	840	833	—
Hourly Means.		835	845	852	862	869	871	838	757	655	579	548	559	—
Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
OCTOBER.	1	573	602	588	617	659	695	735	772	799	821	834	841	731
	2	305	349	456	413	448	451	582	625	652	685	693	734	626
	3	513	501	493	534	516	557	620	666	703	735	753	759	655
	4	503	547	577	594	641	717	688	721	730	741	746	772	670
	5	588	589	604	650	684	689	722	735	781	785	776	780	709
	6	564	607	652	707	740	738	694	750	755	762	776	806	705
	7	617	633	645	680	745	759	739	753	759	795	826	856	768
	8	632	619	639	655	696	716	744	748	776	815	805	844	761
	9	522	562	604	570	599	630	704	763	781	795	832	837	728
	10	536	589	607	621	611	671	719	779	790	819	817	849	725
	11	578	575	552	631	666	723	738	770	811	831	799	811	731
	12	542	506	518	539	588	622	651	690	713	760	786	815	697
	13	570	591	604	665	686	712	765	736	778	821	806	813	735
	14	529	521	539	580	648	691	718	731	756	759	794	794	702
	15	549	370	362	397	459	514	478	472	711	750	768	791	633
	16	519	450	502	528	589	633	682	719	759	764	783	812	688
	17	515	511	545	521	606	674	697	736	782	780	764	812	709
	18	490	408	504	554	599	675	690	736	776	789	787	816	697
	19	521	487	461	484	581	655	718	729	761	788	795	814	678
	20	530	402	508	572	638	661	710	747	788	808	808	868	697
	21	569	577	620	602	648	665	695	727	753	785	798	827	733
	22	592	603	656	660	714	766	753	766	786	769	796	831	719
	23	596	626	575	627	688	704	724	742	769	787	786	807	719
	24	517	571	614	647	657	698	716	741	774	794	814	829	722
	25	569	560	642	655	683	674	693	678	710	730	742	766	715
	26	528	557	605	633	694	732	765	800	813	811	833	853	779
	27	630	638	684	699	724	752	773	832	846	845	844	859	778
	28	645	643	661	670	713	712	796	801	822	844	859	859	777
	29	620	636	618	659	720	746	763	795	831	932	948	939	773
	30	670	632	672	748	747	766	785	829	851	816	848	864	799
	31	754	702	645	618	596	650	687	767	786	815	853	875	791
Hourly Means.		561	554	579	604	645	679	708	737	771	791	802	824	722

DIRECTION OF THE WIND.

Mean Batavia Time.	1 A. M.	2	3	4	5	6	7	8	9	10	11	12	
OCTOBER.	1	C	N	N	C	C	C	N	N	S	SSE	NE	NNE
	2	C	C	C	C	C	C	NE	NE	S	ESE	E	N
	3	C	C	C	C	C	E	E	SSW	W	S	NNE	N
	4	C	C	C	C	C	C	NE	S	SW	SW	S	NE
	5	C	C	C	C	C	C	C	N	ENE	NNE	NE	NNE
	6	NW	WNW	WNW	C	C	C	WNW	W	NNW	NNE	N	NE
	7	C	C	S	C	C	C	SW	SW	SW	WSW	NNW	NNE
	8	C	C	C	C	C	C	C	S	WNW	NNW	NNW	NNE
	9	C	C	C	C	C	C	SW	SW	SSE	SE	SSW	NNE
	10	C	C	C	C	C	C	ENE	ENE	ENE	NNW	E	N
	11	C	C	C	C	C	C	NE	NE	SW	SSW	ESE	NNE
	12	C	C	C	C	C	C	NNE	SSW	S	SSE	W	N
	13	SSE	SSE	SSE	C	C	SSE	SSE	SSE	E	ENE	N	NNE
	14	C	C	C	C	S	C	S	S	ESE	ENE	NE	N
	15	C	C	C	C	C	NNE	NNE	NE	E	SE	ESE	NE
	16	C	C	C	C	C	C	E	E	SE	E	NE	NNE
	17	C	C	C	ENE	ENE	C	C	ENE	E	E	E	NE
	18	C	C	C	C	C	C	ENE	ESE	ESE	ESE	E	ENE
	19	C	C	C	C	C	C	E	E	SE	ESE	ESE	E
	20	C	C	C	C	C	C	E	E	E	NNE	NNE	NNE
	21	NE	NE	C	C	C	C	NE	NE	S	E	NE	NNE
	22	C	C	C	C	C	C	ENE	SE	ESE	ESE	N	NNE
	23	C	C	NNE	C	C	C	NNE	NE	SSE	S	NNE	N
	24	C	C	C	C	C	C	NE	SE	ESE	ESE	NE	NNE
	25	C	C	C	C	C	C	C	NE	ENE	WSW	NNE	NNE
	26	NNE	S	NE	C	C	C	C	NE	NE	SSE	E	E
	27	NE	NE	NNE	C	NNE	C	NNE	NNE	N	N	NNE	N
	28	WSW	C	C	WSW	C	WSW	SSE	SSE	S	SE	NNE	N
	29	WNW	C	C	C	C	WNW	WNW	WNW	SSW	SW	NNE	NE
	30	SW	SW	SW	ESE	SE	SE	SE	SE	ESE	ESE	E	N
	31	C	C	C	C	C	C	S	C	S	ESE	NE	ENE

Mean Batavia Time.	1 P. M.	2	3	4	5	6	7	8	9	10	11	12
OCTOBER.	1	NNE	NNE	NNE	NNE	NNE	NE	C	C	C	C	C
	2	ENE	NE	NE	ENE	ENE	E	E	C	C	C	C
	3	NNE	NNE	NNE	NNE	NE	NE	C	C	C	C	C
	4	N	NNE	NNE	N	N	N	N	C	C	C	C
	5	N	NNE	N	NNE	N	N	N	C	C	C	C
	6	NNE	N	NNE	NNE	N	NNE	SSE	S	S	C	C
	7	NNE	NE	NNE	N	NNE	NE	S	S	C	C	C
	8	NNE	NNE	NNE	NNE	NNE	N	WSW	WSW	WSW	C	C
	9	NNE	NNE	NNE	NNE	NNE	ENE	C	C	C	C	C
	10	N	N	NNE	NE	NE	NE	C	C	C	C	C
	11	NNE	NNE	NNE	NNE	NNE	NNE	C	C	C	C	C
	12	N	N	N	N	N	N	N	C	C	N	C
	13	NNE	NNE	NNE	NNE	NNE	NE	NE	SSE	S	S	C
	14	NNE	NNE	NE	NE	NE	NE	NNE	NNE	C	C	C
	15	NE	ENE	ENE	NE	ENE	NE	NE	E	C	C	C
	16	NNE	NE	ENE	NE	ENE	ENE	ENE	C	C	C	C
	17	NE	NE	NE	NE	NE	ENE	ENE	C	C	C	C
	18	ENE	ENE	ENE	NE	NE	ENE	E	E	E	E	C
	19	NE	NE	NE	ENE	ENE	ENE	ENE	ENE	C	C	C
	20	NE	NE	NE	NE	NE	NE	C	C	C	C	C
	21	NNE	NNE	NNE	NNE	NE	ENE	ENE	C	C	C	C
	22	NNE	NNE	NNE	NNE	NE	NNE	NNE	C	C	C	C
	23	NNE	NNE	NE	NNE	NNE	NE	NE	C	C	C	C
	24	NNE	NE	NE	NE	NE	NE	NE	C	C	C	C
	25	NNE	NNE	NNE	NNE	NNE	NNE	NNE	C	NNE	NNE	NNE
	26	E	NE	NE	NE	NE	NE	NE	C	NE	NE	C
	27	N	N	N	N	N	N	N	NW	W	WSW	C
	28	NNE	N	N	N	N	N	N	WNW	WNW	WNW	WNW
	29	NNE	N	NNE	N	NNW	N	C	SW	S	SW	C
	30	NNE	NNE	NE	NE	NE	NNE	SSE	S	SSE	SSE	S
	31	ENE	ENE	ENE	E	ENE	ENE	ENE	C	C	C	C

VELOCITY OF THE WIND IN KILOMETERS PER HOUR.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
OCTOBER.	1	0.0	0.8	0.8	0.0	0.0	0.0	0.8	1.6	4.8	7.2	8.9	16.9	—
	2	0.0	0.0	0.0	0.0	0.0	0.0	1.6	2.4	6.4	13.7	17.7	16.1	—
	3	0.0	0.0	0.0	0.0	0.0	0.8	1.6	2.4	4.8	9.7	9.7	13.7	—
	4	0.0	0.0	0.0	0.0	0.0	0.0	0.8	5.6	5.6	3.2	6.4	11.3	—
	5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.6	3.2	8.0	12.1	—
	6	2.4	1.6	0.8	0.0	0.0	0.0	0.8	2.4	4.0	5.6	9.7	13.7	—
	7	0.0	0.0	2.4	0.0	0.0	0.0	0.8	1.6	3.2	7.2	12.9	—	—
	8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	3.2	3.2	4.8	10.5	—
	9	0.0	0.0	0.0	0.0	0.0	0.0	0.8	3.2	4.0	4.8	8.0	11.3	—
	10	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	1.6	3.2	9.7	12.9	—
	11	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	3.2	6.4	8.9	15.3	—
	12	0.0	0.0	0.0	0.0	0.0	0.0	2.4	8.0	5.6	4.8	5.6	13.7	—
	13	1.6	1.6	1.6	0.0	0.0	0.8	1.6	3.2	3.2	4.8	8.0	12.1	—
	14	0.0	0.0	0.0	0.0	0.8	0.0	1.6	4.0	8.0	9.7	13.7	13.7	—
	15	0.0	0.0	0.0	0.0	0.0	0.8	1.6	2.4	6.4	8.0	10.5	8.0	—
	16	0.0	0.0	0.0	0.0	0.0	0.0	0.8	4.0	8.9	8.9	13.7	15.3	—
	17	0.0	0.0	0.0	0.8	0.8	0.0	0.0	0.8	8.9	11.3	13.7	10.5	—
	18	0.0	0.0	0.0	0.0	0.0	0.0	0.8	7.2	12.9	14.5	13.7	17.7	—
	19	0.0	0.8	0.0	0.0	0.0	0.0	0.8	3.2	8.0	12.9	15.3	20.1	—
	20	0.0	0.0	0.0	0.0	0.0	0.0	1.6	2.4	8.0	14.5	15.3	13.7	—
	21	0.8	0.8	0.0	0.0	0.0	0.0	2.4	3.2	3.2	4.8	9.7	15.3	—
	22	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.6	5.6	5.6	10.5	16.9	—
	23	0.0	0.0	0.8	0.0	0.0	0.0	2.4	3.2	4.8	7.2	11.3	13.7	—
	24	0.0	0.0	0.0	0.0	0.0	0.0	1.6	4.0	8.9	9.7	12.9	14.5	—
	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	2.4	3.2	8.9	10.5	—
	26	4.0	4.0	3.2	0.0	0.0	0.0	0.0	0.8	3.2	6.4	15.3	16.1	—
	27	0.8	0.8	1.6	0.0	0.8	0.0	1.6	0.8	2.4	2.4	4.8	8.9	—
	28	1.6	0.0	0.0	0.8	0.0	0.8	3.2	2.4	2.4	5.6	7.2	10.5	—
	29	1.6	0.0	0.0	0.0	0.0	1.6	0.8	1.6	2.4	2.4	7.2	8.9	—
	30	1.6	1.6	2.4	4.8	0.8	0.8	0.8	2.4	4.8	8.9	12.1	8.9	—
	31	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.0	4.8	8.0	11.3	5.6	—
Hourly Means.		0.46	0.39	0.44	0.21	0.10	0.18	1.14	2.58	4.94	6.84	10.31	12.95	—
Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
OCTOBER.	1	17.7	17.7	17.7	18.5	13.7	4.8	0.0	0.0	0.0	0.0	0.0	0.0	5.50
	2	20.9	24.9	26.5	20.9	20.9	11.3	1.6	0.8	0.0	0.0	0.0	0.0	7.74
	3	14.5	16.9	16.1	15.3	10.5	5.6	0.0	0.0	0.0	0.0	0.0	0.0	4.76
	4	13.7	14.5	14.5	11.3	8.0	3.2	0.8	0.0	0.0	0.0	0.0	0.0	4.12
	5	12.9	12.1	14.5	14.5	10.5	3.2	0.8	0.0	0.0	0.0	0.0	0.8	3.96
	6	15.3	16.9	18.5	10.5	8.0	2.4	3.2	3.2	0.8	0.0	0.0	0.0	4.99
	7	15.3	16.9	13.7	13.7	8.9	5.6	3.2	0.8	0.0	0.0	0.0	0.0	4.49
	8	16.9	19.3	18.5	12.9	4.0	3.2	3.2	1.6	0.8	0.0	0.0	0.0	4.29
	9	16.9	16.9	16.9	13.7	10.5	4.0	0.0	0.0	0.0	0.0	0.0	0.0	4.63
	10	16.9	16.9	16.1	13.7	12.9	2.4	0.0	0.0	0.0	0.0	0.0	0.0	4.50
	11	20.1	17.7	16.1	16.9	10.5	3.2	0.0	0.0	0.0	0.0	0.0	0.0	5.06
	12	15.3	16.9	16.9	15.3	8.0	2.4	0.8	0.8	0.0	1.6	5.6	3.2	5.29
	13	15.3	16.9	16.9	12.9	9.7	5.6	3.2	3.2	1.6	0.8	0.0	0.0	5.19
	14	17.7	18.5	20.1	21.7	12.1	7.2	0.8	0.8	0.0	0.0	0.0	0.0	6.27
	15	9.7	17.7	19.3	18.5	12.1	3.2	2.4	2.4	0.0	0.0	0.0	0.0	5.13
	16	18.5	21.7	22.5	19.3	14.5	9.7	3.2	0.0	0.0	0.0	0.0	0.0	6.71
	17	16.1	27.3	23.3	23.3	16.9	8.0	3.2	0.0	0.0	0.0	0.0	0.0	6.87
	18	20.9	20.9	20.9	18.5	16.9	8.0	6.4	8.0	4.8	1.6	0.8	0.0	8.10
	19	24.1	28.1	29.7	23.3	20.1	12.1	4.8	1.6	0.0	0.0	0.0	0.0	8.54
	20	18.5	24.1	25.7	20.1	16.1	8.0	0.0	0.0	0.0	0.0	0.0	0.0	7.00
	21	20.1	20.1	17.7	15.3	11.3	6.4	1.6	0.0	0.0	0.0	0.0	0.0	5.53
	22	16.9	17.7	18.5	16.9	12.9	3.2	0.8	0.0	0.0	0.0	0.0	0.0	5.33
	23	16.9	18.5	16.9	13.7	8.9	1.6	0.8	0.0	0.0	0.0	0.0	0.0	5.03
	24	16.1	20.9	22.5	19.3	13.7	6.4	0.8	0.0	0.0	0.0	0.0	0.0	6.30
	25	18.5	19.3	18.5	13.7	8.9	4.0	0.8	1.6	0.0	0.8	0.8	0.8	4.76
	26	16.9	16.1	19.3	16.9	12.1	5.6	0.8	0.0	0.8	0.8	0.0	1.6	6.00
	27	15.3	16.1	16.1	8.0	6.4	3.2	3.2	4.0	4.8	1.6	0.0	1.6	4.38
	28	15.3	14.5	12.1	11.3	8.9	3.2	1.6	2.4	1.6	0.8	1.6	0.8	4.53
	29	8.9	8.9	12.1	9.7	4.8	1.6	0.0	3.2	5.6	1.6	0.0	1.6	3.52
	30	16.1	19.3	20.1	15.3	11.3	4.8	5.6	4.8	8.9	8.9	2.4	0.0	6.98
	31	6.4	8.9	9.7	12.9	16.1	9.7	2.4	0.0	0.0	0.0	0.0	0.0	4.03
Hourly Means.		16.28	18.16	18.32	15.74	11.62	5.25	1.81	1.26	0.96	0.60	0.36	0.34	5.47

CLOUDS.

CLEAR = 0. — OVERCAST = 10.

Mean Batavia Time.		1 A.M.	2	3	4	5	6	7	8	9	10	11	12	—
OCTOBER.	1	3	2	2	2	3	4	3	1	1	1	4	5	—
	2	1	1	0	0	0	0	2	2	1	3	4	3	—
	3	2	2	3	4	4	2	1	0	0	1	3	2	—
	4	4	6	8	9	8	4	1	1	1	2	6	6	—
	5	4	4	4	2	3	5	4	3	4	10	6	7	—
	6	2	2	3	0	2	2	2	0	0	4	4	3	—
	7	8	10	10	10	9	8	3	2	4	6	6	5	—
	8	3	3	2	2	6	4	7	8	9	10	9	9	—
	9	4	3	7	4	3	3	1	1	2	2	4	6	—
	10	2	2	1	1	3	3	3	2	4	7	4	5	—
	11	2	3	3	3	4	3	2	1	0	1	4	3	—
	12	1	0	0	0	1	2	1	2	2	3	4	4	—
	13	10	10	10	6	6	4	2	3	9	7	6	5	—
	14	9	6	6	5	4	4	2	2	1	6	6	7	—
	15	3	5	7	4	4	7	3	1	7	8	6	10	—
	16	5	5	6	4	3	5	2	1	1	7	7	6	—
	17	1	1	2	1	2	3	5	6	5	5	7	7	—
	18	4	3	3	3	6	4	5	4	5	6	7	8	—
	19	10	10	10	10	10	6	4	2	2	6	7	4	—
	20	6	3	2	3	4	3	3	2	6	6	6	6	—
	21	5	8	4	4	8	3	3	1	5	8	7	4	—
	22	0	1	1	1	2	3	2	3	3	7	8	6	—
	23	7	6	6	3	2	1	3	3	5	6	6	5	—
	24	2	1	0	1	1	0	1	1	6	6	7	5	—
	25	2	2	3	1	3	2	1	0	5	1	6	6	—
	26	10	10	10	10	7	8	10	9	6	8	7	5	—
	27	10	10	10	10	10	9	7	6	8	9	8	7	—
	28	7	6	8	8	7	4	9	7	9	9	9	8	—
	29	10	6	10	7	6	5	2	2	4	6	6	7	—
	30	5	4	6	10	9	7	4	3	2	4	10	10	—
	31	5	10	8	10	6	8	10	9	9	10	10	10	—
Hourly Means.		4.7	4.7	5.0	4.5	4.7	4.1	3.5	2.8	4.1	5.6	6.3	5.9	—
Mean Batavia Time.		1 P.M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
OCTOBER.	1	4	2	2	4	3	4	2	2	3	3	4	2	2.8
	2	1	0	0	0	0	2	4	4	5	4	5	4	1.9
	3	2	3	0	0	3	4	3	2	2	3	3	2	2.1
	4	7	3	1	1	4	8	6	7	7	8	7	5	5.0
	5	3	3	4	6	6	7	2	1	0	0	0	0	3.7
	6	6	4	4	4	2	10	9	9	7	10	10	10	4.5
	7	6	5	3	4	7	10	7	10	6	6	6	5	6.5
	8	2	2	4	4	4	10	4	2	2	2	1	2	4.6
	9	5	4	3	4	3	4	4	5	4	3	4	3	3.6
	10	2	2	1	3	4	3	4	3	2	3	2	4	2.9
	11	2	0	3	0	2	6	9	9	6	3	3	2	3.1
	12	2	2	0	3	4	7	10	10	10	10	10	10	4.1
	13	3	3	2	2	2	9	6	9	9	7	9	9	6.2
	14	5	4	2	1	1	8	10	10	7	7	8	7	5.3
	15	6	6	2	5	7	7	10	7	4	2	2	1	5.2
	16	3	2	1	1	7	10	9	9	10	10	7	3	5.2
	17	8	7	4	5	4	6	8	6	5	4	4	6	4.7
	18	6	3	3	5	6	5	6	9	7	4	5	8	5.2
	19	8	2	1	0	1	1	1	2	3	4	5	3	4.7
	20	7	2	3	3	1	1	2	1	0	1	9	9	3.7
	21	1	2	7	7	6	6	8	9	9	10	7	10	5.9
	22	3	2	2	4	2	3	10	10	10	7	8	6	4.3
	23	0	0	0	2	5	2	3	4	1	5	2	0	3.2
	24	5	3	1	0	1	3	3	3	2	1	1	0	2.3
	25	3	3	5	6	6	4	10	9	10	10	10	10	4.9
	26	8	6	8	5	4	6	10	10	9	7	6	6	7.7
	27	5	3	5	9	10	10	10	10	10	8	8	6	8.3
	28	2	2	3	9	9	10	6	9	9	4	7	7	7.0
	29	6	5	5	4	3	4	5	10	10	10	7	4	6.0
	30	6	4	7	7	6	4	10	4	10	10	10	10	6.8
	31	10	7	8	9	10	10	10	10	10	4	7	6	8.6
Hourly Means.		4.4	3.1	3.0	3.8	4.3	5.9	6.5	6.6	6.1	5.5	5.7	5.2	4.83

BAROMETRIC PRESSURE.

BAROMETER AT 0°C = 750 MILLIMETRES + THE NUMBERS IN THE TABLE.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
NOVEMBER.	1	9.05	8.72	8.56	8.59	8.80	9.17	10.04	10.28	10.20	9.99	9.48	8.87	—
	2	9.02	8.17	7.85	8.10	8.52	8.88	9.17	9.53	9.63	9.51	9.01	8.36	—
	3	8.85	8.46	8.16	8.57	8.87	9.23	9.70	10.13	10.24	9.93	9.31	8.73	—
	4	9.97	9.54	9.33	9.48	9.85	10.21	10.84	11.09	11.32	11.09	10.42	9.98	—
	5	9.94	9.50	9.19	9.19	9.44	9.73	10.29	10.83	10.85	10.66	10.03	9.52	—
	6	9.35	9.00	8.86	8.72	8.88	9.36	10.13	10.45	10.43	10.31	9.91	9.54	—
	7	9.19	8.65	8.51	8.69	8.81	9.27	10.06	10.39	10.43	10.13	9.66	9.09	—
	8	8.67	8.18	8.18	8.32	8.51	8.99	9.30	9.76	9.97	9.93	9.48	8.83	—
	9	9.04	8.61	8.14	8.17	8.45	8.97	9.40	9.54	9.82	9.57	9.39	8.73	—
	10	9.19	8.90	8.37	8.29	8.51	8.85	9.48	9.80	9.62	9.57	9.37	8.61	—
	11	9.32	8.97	9.10	8.88	9.21	9.43	9.90	10.24	10.13	9.95	9.46	9.13	—
	12	9.52	8.92	8.55	8.64	8.71	9.12	10.08	10.40	10.57	10.46	10.63	9.98	—
	13	9.52	8.81	8.51	8.60	8.87	9.50	9.65	9.95	9.93	9.76	9.27	8.56	—
	14	9.24	8.80	8.45	8.76	8.96	9.37	9.75	9.95	9.78	9.62	9.16	8.40	—
	15	8.76	8.26	8.27	8.42	8.82	9.48	9.88	10.39	10.59	10.42	9.78	9.28	—
	16	9.04	8.71	8.23	8.30	8.76	9.08	9.66	10.01	10.20	9.99	9.52	8.82	—
	17	8.81	8.51	8.20	8.30	8.40	8.81	9.50	9.95	10.02	9.79	9.19	8.87	—
	18	9.09	8.41	8.40	8.41	8.52	8.86	9.24	9.57	9.73	9.38	8.71	7.77	—
	19	8.75	8.54	8.52	8.51	8.75	9.38	10.26	10.84	10.73	10.39	9.59	8.81	—
	20	9.26	8.82	8.70	8.74	9.16	9.56	10.16	10.74	10.78	10.61	10.11	9.41	—
	21	8.89	8.41	8.24	8.60	8.81	9.30	9.98	10.40	10.72	10.67	10.25	9.78	—
	22	9.55	9.17	9.08	9.05	9.10	9.60	10.20	10.74	10.97	10.89	10.49	9.83	—
	23	9.97	9.97	9.73	9.84	9.74	10.17	10.78	11.37	11.73	11.60	11.19	11.08	—
	24	11.48	10.90	10.73	10.29	10.61	11.24	11.49	11.78	11.85	11.72	11.49	10.81	—
	25	10.91	10.48	10.35	10.56	10.58	11.05	11.35	11.69	11.85	11.62	11.03	10.36	—
	26	10.89	10.70	10.66	10.53	10.64	10.85	11.24	11.78	11.93	11.73	11.39	10.59	—
	27	10.25	10.08	9.78	9.90	10.32	11.33	11.91	12.46	12.25	12.14	11.87	11.08	—
	28	9.80	9.65	9.17	9.13	9.69	10.23	10.70	11.00	11.27	11.37	11.24	10.84	—
	29	10.54	10.16	10.04	9.95	10.46	10.83	11.31	11.60	11.71	11.73	11.43	10.86	—
	30	10.77	10.43	10.39	10.30	10.75	11.15	11.60	11.77	12.12	11.79	11.91	11.38	—
Hourly Means.		9.55	9.15	8.94	8.99	9.25	9.70	10.24	10.61	10.71	10.54	10.13	9.53	—
Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
NOVEMBER.	1	7.99	7.22	7.08	7.56	8.66	9.31	9.43	9.94	10.02	10.50	10.21	9.85	9.15
	2	7.68	7.17	6.67	7.33	7.73	8.34	8.62	9.29	9.77	10.17	9.85	9.28	8.65
	3	8.33	7.60	7.37	7.31	7.39	8.38	8.58	10.13	10.62	10.77	10.62	10.40	9.11
	4	8.90	8.22	7.66	8.32	8.48	8.89	9.23	9.93	10.72	10.83	10.70	10.52	9.81
	5	8.43	7.93	8.19	8.52	8.74	9.47	9.23	9.38	10.19	10.30	10.12	9.64	9.55
	6	8.73	7.84	7.47	8.08	8.25	8.55	9.39	9.82	10.37	10.22	10.24	9.95	9.33
	7	8.69	8.23	7.98	7.74	7.73	7.96	8.61	9.10	9.60	9.90	9.68	9.22	9.06
	8	8.19	7.43	7.26	7.28	7.31	7.61	8.51	9.32	9.64	9.78	9.68	9.14	8.72
	9	7.81	7.40	7.29	7.16	7.36	8.22	9.13	9.42	9.98	9.86	9.70	9.70	8.79
	10	8.33	7.48	7.32	7.28	7.82	8.44	9.29	9.52	9.88	9.83	9.69	9.35	8.87
	11	8.53	7.94	7.81	7.62	8.08	8.51	9.00	9.59	9.95	10.15	10.17	9.85	9.21
	12	9.36	8.39	7.72	7.77	7.92	8.09	8.58	9.50	9.98	10.25	10.27	9.83	9.30
	13	8.49	7.29	7.73	7.90	8.18	8.47	9.15	9.68	10.05	10.15	10.00	9.80	9.08
	14	7.32	7.07	6.19	6.54	6.93	7.74	8.55	8.89	9.52	9.77	9.53	9.21	8.65
	15	8.63	7.72	7.42	7.46	7.72	8.21	8.45	8.69	9.09	9.34	9.48	9.16	8.91
	16	8.32	7.65	7.06	7.10	7.57	8.18	8.69	9.52	10.20	10.48	9.94	9.53	8.94
	17	8.23	7.35	6.85	6.87	7.38	8.37	9.04	9.61	10.08	10.12	9.90	9.54	8.82
	18	7.06	6.71	6.20	6.22	6.47	6.99	7.83	8.56	9.23	9.42	9.48	9.10	8.31
	19	8.21	7.42	7.44	7.28	7.58	7.88	8.66	9.59	9.92	9.89	9.86	9.68	9.02
	20	8.82	8.08	7.63	7.53	7.58	8.27	8.56	9.02	9.62	9.79	9.67	9.35	9.17
	21	9.27	8.70	8.48	8.83	10.05	11.08	11.27	10.84	10.44	11.06	10.83	10.36	9.80
	22	9.46	9.06	8.59	8.52	8.82	9.27	10.13	10.49	10.79	11.09	10.98	10.57	9.85
	23	10.77	9.88	9.64	9.65	10.33	10.35	10.67	11.44	12.05	12.28	12.29	12.01	10.77
	24	9.88	9.16	9.21	9.00	9.17	9.42	10.30	10.79	11.24	11.52	11.29	11.18	10.69
	25	9.80	9.32	9.11	9.32	10.34	10.85	10.73	10.88	11.47	11.49	11.75	11.28	10.76
	26	9.95	9.33	8.58	8.60	9.01	9.54	10.39	11.08	11.43	11.93	11.39	10.72	10.62
	27	10.77	9.93	9.43	9.50	10.12	10.58	11.23	11.35	11.19	10.68	10.59	10.11	10.79
	28	9.43	9.10	8.88	8.98	9.46	10.43	10.99	11.65	12.03	11.98	11.57	11.05	10.40
	29	10.08	9.53	9.32	9.33	9.48	9.97	10.71	11.66	11.88	11.53	11.74	11.40	10.72
	30	10.47	9.82	9.80	9.63	9.97	10.49	10.65	11.13	11.37	11.30	11.13	10.80	10.87
Hourly Means.		8.87	8.20	7.91	8.01	8.39	8.93	9.49	9.99	10.41	10.55	10.41	10.05	9.52

STANDARD THERMOMETER.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
NOVEMBER.	1	77.2	76.2	75.7	75.5	75.2	75.2	76.2	79.8	83.6	85.8	86.0	85.7	—
	2	74.0	73.4	72.8	72.6	72.2	72.5	74.6	79.8	82.5	85.5	86.5	88.3	—
	3	76.1	75.7	75.0	74.3	73.6	73.0	75.0	79.8	82.6	85.6	86.5	87.5	—
	4	76.7	76.0	75.3	74.8	74.7	74.1	76.4	80.2	83.0	84.0	85.9	85.6	—
	5	76.3	76.3	75.8	75.6	75.4	75.2	76.3	80.7	83.9	85.4	85.4	84.7	—
	6	74.4	73.9	73.5	73.3	73.0	73.0	74.7	78.9	82.0	83.7	84.1	78.2	—
	7	75.8	75.6	75.0	74.5	74.3	74.0	75.9	79.9	83.0	86.1	85.2	86.5	—
	8	74.4	74.0	74.0	73.4	72.5	72.0	73.8	77.4	80.7	84.3	85.0	86.2	—
	9	77.4	77.2	76.7	76.0	75.6	75.3	76.6	80.7	84.2	85.7	87.0	90.2	—
	10	76.5	76.5	76.2	75.7	75.5	75.5	76.0	77.8	82.8	84.6	85.6	86.7	—
	11	75.1	74.5	74.2	73.9	73.7	73.2	74.4	77.9	80.5	82.2	84.7	86.0	—
	12	77.2	76.6	76.0	75.3	75.0	74.5	76.0	81.0	83.3	85.7	80.0	78.6	—
	13	76.1	75.6	75.4	74.7	74.5	74.1	75.5	79.3	82.2	85.5	87.5	85.5	—
	14	75.3	75.0	75.0	75.0	75.0	75.0	75.6	78.6	80.6	83.3	85.3	87.0	—
	15	76.0	75.8	75.5	75.2	75.0	75.2	75.9	77.9	79.9	82.2	84.6	86.6	—
	16	74.9	74.6	74.2	74.0	74.0	73.8	75.8	78.7	82.0	84.7	87.1	89.4	—
	17	75.9	76.1	76.0	75.5	75.2	75.0	76.0	80.0	84.6	86.3	88.7	87.5	—
	18	77.1	76.5	76.0	75.8	75.0	74.4	76.4	79.7	82.1	84.5	87.8	87.7	—
	19	76.0	75.6	75.2	74.4	74.2	74.2	75.0	77.2	81.6	84.2	85.9	85.0	—
	20	76.1	75.6	75.3	74.8	74.5	74.5	76.1	78.9	82.2	84.7	86.8	85.8	—
	21	77.6	77.2	77.0	76.6	76.0	75.8	77.5	80.4	83.6	86.7	88.0	86.8	—
	22	73.2	73.0	73.0	72.6	72.6	72.6	74.5	78.0	81.8	84.6	86.0	87.0	—
	23	77.5	77.0	76.4	76.0	76.1	75.7	76.0	77.5	79.6	83.3	85.4	76.0	—
	24	74.0	73.7	73.3	73.0	72.5	72.5	73.7	77.0	81.0	83.5	84.9	86.5	—
	25	74.4	74.0	73.7	73.5	73.1	73.1	74.3	78.0	82.0	84.7	85.7	86.4	—
	26	74.6	74.2	74.2	73.9	73.4	73.4	75.3	78.2	80.9	83.2	84.9	85.8	—
	27	77.2	76.4	76.4	76.0	75.6	75.6	74.0	74.4	74.9	75.7	76.3	77.0	—
	28	75.5	75.2	75.2	74.8	73.9	73.6	76.1	79.4	80.6	79.4	76.2	77.2	—
	29	74.3	74.3	74.1	74.1	74.0	73.8	75.0	77.4	79.3	81.5	84.0	85.0	—
	30	76.1	76.1	75.9	75.6	75.4	75.6	77.4	80.5	83.1	84.4	78.7	78.0	—
Hourly Means.		75.76	75.39	75.07	74.68	74.36	74.18	75.53	78.83	81.80	84.03	84.86	84.81	—
Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
NOVEMBER.	1	81.3	82.0	84.7	83.2	79.6	76.3	74.3	74.5	75.0	75.2	74.6	74.1	78.62
	2	86.0	86.5	85.1	83.7	83.3	82.0	80.7	80.0	79.2	78.4	77.7	77.0	79.76
	3	87.2	86.6	84.6	84.0	83.2	82.5	82.2	81.5	80.5	78.8	78.0	77.2	80.46
	4	85.7	85.3	86.0	84.4	83.6	78.8	78.0	76.7	76.7	76.4	76.2	76.7	79.63
	5	87.1	83.5	82.7	80.0	77.6	75.9	75.5	75.6	75.4	75.4	75.3	75.0	78.75
	6	80.0	83.0	83.0	82.7	82.0	80.6	79.1	78.0	77.5	76.9	76.5	76.0	78.25
	7	85.1	83.6	83.1	79.7	79.1	78.7	78.0	77.3	76.9	76.2	75.9	75.2	78.94
	8	87.2	87.2	86.9	85.5	84.2	83.2	82.0	80.8	80.6	79.6	78.6	77.7	80.05
	9	88.6	87.3	86.5	84.7	84.2	83.7	83.0	81.5	79.0	78.3	77.5	77.0	81.41
	10	83.7	84.7	84.7	85.2	83.5	79.9	77.5	76.5	76.0	75.7	75.5	75.7	79.50
	11	84.6	85.0	84.0	84.0	83.8	82.3	81.2	80.0	79.5	79.0	78.8	77.7	79.59
	12	79.6	82.0	81.7	81.7	81.7	81.0	79.7	79.2	79.0	77.0	76.9	76.7	78.98
	13	81.5	80.2	81.5	77.0	76.0	75.7	75.4	75.4	75.6	75.4	75.1	75.3	77.92
	14	86.5	82.0	85.4	81.2	83.2	80.0	76.6	76.4	76.0	75.7	76.0	76.0	79.11
	15	83.6	84.1	84.1	81.7	79.0	78.5	78.0	77.4	76.8	76.4	75.7	75.3	78.77
	16	87.1	86.9	86.9	89.7	87.9	85.2	82.3	79.6	78.4	76.9	76.3	75.8	80.68
	17	86.8	87.8	85.7	84.7	84.1	83.7	82.0	79.8	78.6	78.6	78.1	77.8	81.02
	18	88.8	87.1	87.1	85.2	84.6	83.4	83.0	82.6	79.4	77.4	76.0	76.3	81.00
	19	83.0	85.0	83.0	81.0	80.3	79.3	79.0	78.2	78.0	77.2	77.0	76.8	79.01
	20	84.4	86.0	86.0	85.0	84.3	83.5	82.0	80.2	79.7	79.7	78.0	77.6	80.49
	21	86.0	85.4	83.6	83.8	84.0	74.8	73.6	74.0	73.7	73.0	73.0	73.0	79.21
	22	85.0	84.7	84.0	84.6	84.6	83.8	82.0	80.4	79.5	79.1	78.2	77.9	79.70
	23	77.2	75.5	76.0	77.0	78.2	78.3	76.6	75.8	75.2	74.8	74.6	74.4	77.09
	24	87.2	86.0	81.7	81.3	80.5	79.0	77.5	77.1	76.8	76.2	75.6	75.0	78.31
	25	86.1	86.5	85.4	84.0	80.7	76.0	75.8	75.2	75.0	74.6	74.6	75.0	78.43
	26	86.6	86.3	85.3	85.1	84.0	83.1	82.5	82.1	81.3	79.1	78.1	77.5	80.13
	27	77.7	78.3	79.6	80.1	79.6	78.9	78.0	77.0	76.5	76.3	76.0	75.5	76.79
	28	81.7	84.5	84.0	84.3	83.2	80.5	78.3	77.7	77.2	76.2	75.3	75.0	78.13
	29	85.4	84.3	84.1	83.7	83.3	82.5	82.0	78.2	77.7	76.7	76.2	76.1	79.04
	30	78.0	78.7	79.5	79.8	79.8	79.0	78.0	77.4	76.9	76.0	75.5	75.2	77.94
Hourly Means.		84.29	84.20	83.86	83.03	82.10	80.34	79.13	78.20	77.59	76.89	76.36	76.05	79.22

RELATIVE HUMIDITY OF THE AIR.

SATURATION = 1000.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
NOVEMBER.	1	851	865	873	872	880	872	841	781	693	648	655	680	—
	2	896	911	920	919	919	910	863	765	682	635	632	585	—
	3	906	906	922	921	921	929	880	802	731	635	638	612	—
	4	850	873	898	904	897	904	817	731	684	654	624	641	—
	5	1000	966	1000	914	914	922	915	797	714	653	672	682	—
	6	939	938	947	946	946	946	930	839	729	693	688	869	—
	7	899	898	914	922	921	921	889	795	731	630	665	631	—
	8	947	956	939	947	937	936	912	892	797	688	677	630	—
	9	884	883	883	899	905	922	882	789	662	636	610	524	—
	10	916	916	915	923	905	914	915	852	745	682	647	627	—
	11	939	947	939	938	947	946	939	868	797	751	696	624	—
	12	917	907	906	922	922	930	899	827	713	641	794	837	—
	13	966	974	966	965	956	917	918	878	764	672	635	698	—
	14	948	956	947	956	947	947	923	847	768	719	653	615	—
	15	940	957	966	947	956	957	948	901	833	779	696	658	—
	16	930	939	939	930	921	921	864	831	729	632	568	532	—
	17	825	825	841	848	872	872	856	774	689	643	575	630	—
	18	900	907	923	923	914	901	833	772	708	688	606	595	—
	19	906	905	897	921	913	930	922	875	741	707	641	677	—
	20	923	931	931	947	939	947	931	870	751	670	620	667	—
	21	892	916	916	916	923	915	860	826	706	596	589	602	—
	22	946	916	946	955	946	946	913	814	742	657	636	652	—
	23	900	916	924	932	915	915	915	900	863	748	679	931	—
	24	938	947	956	937	946	946	929	851	820	740	696	631	—
	25	913	921	929	938	937	937	913	837	729	663	628	643	—
	26	956	965	956	1000	965	965	957	893	790	697	677	681	—
	27	892	907	899	915	940	931	965	965	966	966	957	924	—
	28	914	922	922	922	930	938	932	833	812	855	890	916	—
	29	939	939	947	947	947	947	930	836	780	728	707	684	—
	30	923	932	931	948	948	948	917	826	739	708	901	917	—
Hourly Means.		917	922	926	929	928	929	905	836	754	694	678	687	—

Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
NOVEMBER.	1	828	771	689	718	757	724	820	813	798	831	871	896	793
	2	661	619	651	699	718	749	774	787	816	838	868	883	779
	3	635	596	675	700	725	751	786	821	818	831	845	851	785
	4	687	653	642	708	775	809	877	907	957	974	966	991	811
	5	615	685	716	796	925	915	905	923	931	931	931	930	848
	6	887	747	718	759	786	842	823	845	860	883	883	809	848
	7	671	734	767	809	816	831	885	892	883	915	915	931	828
	8	628	652	645	679	688	739	793	812	804	833	854	876	803
	9	545	592	631	682	707	740	753	776	870	901	900	916	771
	10	726	689	663	607	672	810	900	924	931	931	940	940	820
	11	696	670	735	693	693	786	828	872	879	894	894	908	828
	12	870	786	792	785	792	827	864	894	886	932	949	957	856
	13	776	880	813	859	899	906	914	914	915	914	930	939	876
	14	656	785	691	797	846	967	1000	940	923	931	931	931	859
	15	733	727	700	792	831	846	868	883	891	899	915	922	856
	16	622	621	584	358	419	503	660	728	724	749	786	801	720
	17	645	631	661	730	735	748	778	787	822	816	885	892	767
	18	575	622	634	697	716	751	746	780	878	932	923	899	785
	19	718	703	760	755	789	809	831	846	853	884	900	907	825
	20	701	648	641	625	675	705	750	826	855	855	885	893	799
	21	641	678	768	727	735	897	929	930	947	916	946	946	823
	22	710	737	749	743	736	727	800	826	870	878	877	893	819
	23	900	898	881	883	917	933	882	915	922	930	939	939	895
	24	646	662	756	776	788	771	812	827	842	865	889	905	828
	25	617	594	653	700	812	881	915	931	939	939	917	947	828
	26	652	638	666	671	707	753	780	808	844	823	877	884	817
	27	917	885	863	849	871	886	917	916	940	924	923	923	918
	28	770	730	687	662	697	818	861	868	875	882	898	905	852
	29	712	722	762	761	754	787	844	837	852	874	890	899	834
	30	942	902	863	863	863	878	908	925	924	940	940	948	897
Hourly Means.		713	709	715	729	761	804	840	858	875	890	903	912	826

DIRECTION OF THE WIND.

Mean Batavia Time.	1 A. M.	2	3	4	5	6	7	8	9	10	11	12	
NOVEMBER.	1	C	C	C	C	C	ENE	SE	SE	ESE	E	NNW	NE
	2	C	C	C	C	C	C	SW	SW	S	W	N	NNW
	3	C	C	C	C	C	N	N	N	ESE	ENE	NNE	NNE
	4	N	C	C	C	N	C	N	N	NE	NNE	ENE	NNE
	5	C	C	C	C	C	S	S	S	SE	SE	N	NNE
	6	C	C	C	C	C	C	C	C	WSW	S	ESE	SSE
	7	C	C	C	C	C	C	C	C	W	SE	NNE	NE
	8	C	C	C	C	C	C	C	C	S	SE	NNW	N
	9	C	C	C	C	C	C	NE	NE	NE	E	NE	NE
	10	C	C	C	C	C	C	C	SSE	SSE	NE	NNW	NE
	11	C	S	S	C	C	C	C	S	S	E	ESE	N
	12	NE	C	C	C	C	C	NE	ESE	ESE	SE	N	N
	13	C	C	C	C	E	E	E	ESE	E	E	E	NNE
	14	C	C	C	C	C	C	SSW	SSW	E	ESE	ESE	NE
	15	C	SSW	SSW	C	C	C	C	C	C	SE	ESE	ENE
	16	C	C	C	C	C	C	C	C	S	E	ESE	SE
	17	C	C	E	E	E	E	E	S	S	SSE	SSE	NNE
	18	C	C	C	C	W	C	W	W	W	W	SE	N
	19	N	C	N	C	N	N	N	E	SSE	SSE	SE	N
	20	C	C	C	C	C	C	C	NW	N	ENE	ESE	N
	21	C	C	C	C	C	C	NE	NE	SE	E	NNE	NNE
	22	C	C	C	C	C	C	S	S	ESE	ESE	E	NNE
	23	C	C	C	C	C	C	E	C	E	SE	S	NNE
	24	C	C	C	C	C	C	SE	SE	WSW	WSW	NW	W
	25	C	SW	C	C	C	C	C	SW	SE	ESE	S	SE
	26	C	C	C	C	S	S	S	S	S	SE	ENE	NNE
	27	C	SSW	SE	NNW	C	N	N	C	NNE	NNE	NNE	NNE
	28	C	C	C	C	C	NNE	NNE	NE	E	ENE	SSE	SSE
	29	C	C	C	C	C	C	SSW	SSW	SSW	ESE	ESE	E
	30	SSW	C	C	C	C	SSW	SSW	SSW	ESE	ENE	NE	NE

Mean Batavia Time.	1 P. M.	2	3	4	5	6	7	8	9	10	11	12
NOVEMBER.	1	NNE	NNE	NNE	N	SW	SW	SW	SW	SW	SW	SW
	2	N	NNE	NNE	N	N	C	N	C	C	C	C
	3	NE	NNE	NNE	NNE	N	N	C	C	N	C	N
	4	N	NNE	NNE	NNE	NNE	SSW	SSW	SSW	C	C	C
	5	NNE	NNE	N	W	WSW	SSW	SSW	SSW	C	C	C
	6	SSE	NNE	NNE	NNE	NNE	C	W	W	C	C	C
	7	ENE	NE	N	SW	SSW	C	C	C	C	C	C
	8	NNE	NNE	NNE	NE	NE	NE	C	C	C	C	C
	9	NE	NNE	NE	NNE	NNE	N	C	N	SSE	C	SSE
	10	NE	NNE	N	N	NW	WSW	SW	S	S	C	C
	11	NNE	N	NNE	NNE	NE	NE	C	C	C	C	C
	12	N	NNE	N	N	N	C	C	C	N	C	C
	13	E	ESE	S	S	SSW	SSW	SSW	C	C	C	SSW
	14	NNE	NE	NE	NE	NNE	SSW	SSW	C	SSW	C	SSW
	15	NNE	NNE	N	NNE	NNE	C	C	C	C	C	C
	16	NNE	NNE	N	E	E	E	C	C	C	C	C
	17	NNE	NNE	NNE	N	N	N	N	WNW	W	C	C
	18	NNE	NNE	NNE	NNE	NNE	N	N	WNW	W	C	WSW
	19	ENE	NNW	NNW	NW	C	C	C	NW	C	C	C
	20	ESE	NNE	N	NNE	NE	C	C	C	C	C	C
	21	NNE	NNE	N	N	N	SSE	SSE	S	S	S	C
	22	NNE	N	NNE	NNE	NE	ENE	E	C	C	C	C
	23	NNE	ENE	ENE	ENE	C	E	C	C	C	C	C
	24	N	N	SSW	SSW	SW	C	C	C	C	C	C
	25	N	NNE	N	N	WSW	S	S	C	C	C	C
	26	NNE	NNE	N	NNE	NNE	N	N	C	SW	SSW	SSW
	27	NNE	NNE	NNE	NNE	NNE	C	C	C	NNE	NNE	C
	28	E	E	N	N	N	SSW	SSW	SSW	SSW	SSW	C
	29	ENE	NNE	ESE	NNE	NNE	N	N	SSW	C	SSW	SSW
	30	NE	NE	C	NE	NE	C	C	C	C	C	C

VELOCITY OF THE WIND IN KILOMETERS PER HOUR.

Mean Batavia Time.		1 A.M.	2	3	4	5	6	7	8	9	10	11	12	—
NOVEMBER.	1	0.0	0.0	0.0	0.0	0.0	0.8	1.6	1.6	4.0	4.8	7.2	9.7	—
	2	0.0	0.0	0.0	0.0	0.0	0.0	2.4	3.2	3.2	3.2	4.0	8.0	—
	3	0.0	0.0	0.0	0.0	0.0	0.8	0.8	3.2	4.8	5.6	7.2	12.1	—
	4	0.8	0.0	0.0	0.0	0.8	0.0	3.2	1.6	3.2	4.0	9.7	13.7	—
	5	0.0	0.0	0.0	0.0	0.0	0.8	0.8	2.4	4.8	4.0	2.4	10.5	—
	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	1.6	5.6	3.2	—
	7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	4.0	4.8	9.7	—
	8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	4.0	2.4	2.4	—
	9	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.6	3.2	5.6	8.9	8.9	—
	10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	2.4	4.0	4.8	10.5	—
	11	0.0	0.8	1.6	0.0	0.0	0.0	0.0	3.2	3.2	4.8	6.4	8.0	—
	12	0.8	0.0	0.0	0.0	0.0	0.0	0.8	4.0	8.9	8.9	9.7	1.6	—
	13	0.0	0.0	0.0	0.0	0.8	0.8	0.8	3.2	8.0	9.7	9.7	15.3	—
	14	0.0	0.0	0.0	0.0	0.0	0.0	1.6	4.0	6.4	9.7	8.9	11.3	—
	15	0.0	0.8	0.8	0.0	0.0	0.0	0.0	0.0	2.4	5.6	5.6	12.1	—
	16	0.0	0.0	0.0	0.0	0.0	0.0	1.6	2.4	2.4	3.2	7.2	9.7	—
	17	0.0	0.0	1.6	0.8	0.0	0.8	2.4	4.0	3.2	4.0	7.2	10.5	—
	18	0.0	0.0	0.0	0.0	1.6	0.0	1.6	2.4	1.6	2.4	4.8	8.9	—
	19	0.8	0.0	0.8	0.0	0.8	0.8	1.6	5.6	5.6	5.6	5.6	8.0	—
	20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	2.4	2.4	3.2	6.4	—
	21	0.0	0.0	0.0	0.0	0.0	0.0	1.6	2.4	3.2	7.2	8.0	10.5	—
	22	0.0	0.0	0.0	0.0	0.0	0.0	1.6	0.8	4.8	8.0	11.3	11.3	—
	23	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.0	1.6	7.2	11.3	6.4	—
	24	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	4.0	2.4	3.2	4.0	—
	25	0.0	0.8	0.0	0.0	0.0	0.0	0.0	2.4	4.8	4.8	3.2	6.4	—
	26	0.0	0.0	0.0	0.0	1.6	0.8	3.2	1.6	1.6	2.4	3.2	6.4	—
	27	0.0	2.4	3.2	1.6	0.0	6.4	0.8	0.0	0.8	2.4	3.2	1.6	—
	28	0.0	0.0	0.0	0.0	0.0	0.8	1.6	2.4	3.2	11.3	6.4	2.4	—
	29	0.0	0.0	0.0	0.0	0.0	0.0	0.8	2.4	3.2	4.0	8.9	9.7	—
	30	1.6	0.0	0.0	0.0	0.0	0.8	3.2	4.0	4.8	12.9	8.0	0.8	—
Hourly Means.		0.13	0.16	0.27	0.08	0.19	0.45	1.17	2.08	3.55	5.22	6.40	8.00	—
Mean Batavia Time.		1 P.M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
NOVEMBER.	1	6.4	6.4	10.5	8.0	5.6	7.2	4.0	2.4	1.6	1.6	1.6	0.8	3.58
	2	13.7	14.5	12.1	4.8	4.0	0.0	0.8	0.0	0.0	0.0	0.0	0.0	3.08
	3	17.7	13.7	12.9	12.1	8.9	2.4	0.0	0.0	3.2	0.8	0.0	0.8	4.46
	4	15.3	16.1	15.3	11.3	8.9	3.2	3.2	1.6	0.8	0.0	0.0	0.0	4.70
	5	16.1	14.5	5.6	4.0	4.0	3.2	2.4	0.8	0.0	0.0	0.0	0.0	3.18
	6	3.2	6.4	5.6	3.2	0.8	0.0	1.6	0.8	0.0	0.0	0.0	0.0	1.47
	7	12.1	8.0	4.8	4.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.11
	8	12.1	12.9	12.9	10.5	7.2	2.4	0.0	0.0	0.8	0.0	0.0	0.0	2.92
	9	14.5	15.3	16.1	8.9	6.4	1.6	0.0	2.4	1.6	2.4	0.0	0.8	4.13
	10	9.7	7.2	8.9	6.4	3.2	3.2	6.4	3.2	2.4	0.0	0.8	0.0	3.08
	11	8.9	9.7	9.7	8.9	6.4	1.6	0.0	0.0	0.0	0.0	0.0	0.0	3.05
	12	1.6	4.8	0.8	0.8	1.6	0.0	0.0	0.0	3.2	0.0	0.0	0.0	1.98
	13	14.5	7.2	15.3	6.4	4.0	2.4	1.6	0.8	0.0	0.0	0.0	0.8	4.22
	14	16.1	10.5	14.5	10.5	5.6	8.0	1.6	1.6	0.0	0.8	0.0	0.8	4.66
	15	9.7	8.9	8.0	2.4	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.18
	16	11.3	12.1	9.7	13.7	9.7	2.4	0.0	0.0	0.0	0.0	0.0	0.0	3.56
	17	15.3	12.9	11.3	9.7	6.4	1.6	1.6	1.6	0.8	0.0	0.0	0.0	3.99
	18	12.9	13.7	13.7	12.9	9.7	4.0	0.8	1.6	3.2	4.8	2.4	0.0	4.29
	19	8.9	5.6	1.6	1.6	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	2.24
	20	8.0	6.4	7.2	7.2	4.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.07
	21	13.7	15.3	10.5	4.8	12.1	7.2	6.4	4.8	3.2	1.6	0.8	0.0	4.72
	22	11.3	9.7	6.4	5.6	9.7	6.4	0.8	0.0	0.0	0.0	0.0	0.0	3.65
	23	5.6	2.4	0.8	0.8	0.0	1.6	0.0	0.0	0.0	0.0	0.0	0.0	1.60
	24	8.0	8.9	4.0	1.6	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.80
	25	9.7	9.7	11.3	9.7	12.1	5.6	0.8	0.0	0.0	0.0	0.0	0.0	3.39
	26	9.7	11.3	10.5	8.0	4.8	2.4	0.8	0.8	0.0	6.4	4.0	3.2	3.45
	27	0.8	0.8	0.8	3.2	1.6	0.0	0.0	0.0	3.2	3.2	0.8	0.0	1.53
	28	4.8	6.4	8.9	8.0	4.8	3.2	0.8	1.6	1.6	1.6	1.6	0.0	2.98
	29	10.5	12.9	8.0	6.4	4.8	1.6	3.2	4.8	0.0	0.8	1.6	2.4	3.58
	30	1.6	0.8	0.0	0.8	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.74
Hourly Means.		10.42	9.50	8.59	6.57	5.20	2.37	1.23	0.99	0.85	0.80	0.45	0.32	3.11

CLOUDS.

CLEAR = 0. — OVERCAST = 10.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
NOVEMBER.	1	1	0	3	5	4	8	6	3	7	5	9	10	—
	2	3	3	2	4	8	2	3	2	4	6	7	7	—
	3	7	6	6	4	6	4	1	2	4	6	6	7	—
	4	6	5	7	4	3	5	2	3	6	8	6	7	—
	5	3	4	2	6	7	3	3	3	5	7	9	9	—
	6	1	0	0	0	1	2	2	1	4	9	4	10	—
	7	6	4	3	2	6	2	3	3	5	4	8	8	—
	8	4	6	8	6	4	3	2	4	4	6	7	7	—
	9	5	3	3	4	3	2	2	1	2	1	1	1	—
	10	5	4	4	3	4	5	9	9	9	9	10	9	—
	11	7	7	9	5	5	6	5	8	8	10	10	10	—
	12	3	2	2	4	7	3	4	7	7	8	9	10	—
	13	10	6	6	6	6	4	6	2	2	6	7	7	—
	14	10	10	10	10	10	10	10	10	7	6	8	6	—
	15	10	10	10	10	10	10	10	10	10	10	9	10	—
	16	5	6	6	5	4	6	3	3	3	2	4	5	—
	17	7	9	9	6	8	3	5	3	5	6	6	6	—
	18	7	6	6	7	5	4	3	2	4	6	7	7	—
	19	9	6	4	5	4	5	10	5	3	7	6	5	—
	20	3	4	4	2	3	8	10	8	6	8	7	9	—
	21	3	2	5	3	2	4	2	3	3	4	7	9	—
	22	7	8	7	4	3	2	6	5	5	5	6	7	—
	23	10	10	10	7	10	10	10	10	9	10	9	10	—
	24	2	3	3	4	5	7	5	4	4	4	8	6	—
	25	2	1	1	1	2	3	4	6	6	6	7	9	—
	26	7	7	7	6	8	6	2	3	3	6	8	7	—
	27	4	5	10	10	10	10	10	10	10	10	10	10	—
	28	10	7	6	5	6	5	3	4	6	10	10	10	—
	29	5	4	4	4	5	7	8	5	6	6	7	8	—
	30	6	7	7	6	6	6	4	4	6	9	10	10	—
Hourly Means.		5.6	5.2	5.5	4.9	5.5	5.2	5.1	4.8	5.4	6.7	7.4	7.9	—
Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
NOVEMBER.	1	9	9	9	10	10	10	10	10	10	10	6	6	7.1
	2	2	1	7	8	10	10	10	9	9	8	8	7	5.8
	3	8	8	9	9	9	5	10	9	8	7	5	5	6.3
	4	6	7	4	4	6	8	4	6	9	4	6	8	5.6
	5	5	10	10	10	10	10	10	10	10	9	9	4	7.0
	6	8	8	7	10	10	10	10	10	10	10	10	7	6.0
	7	9	10	10	10	10	8	7	5	4	3	3	2	5.6
	8	6	4	4	3	3	2	5	10	7	5	4	4	4.9
	9	3	2	4	6	6	3	9	9	10	7	5	6	4.1
	10	10	10	6	7	10	10	10	10	10	10	10	7	7.9
	11	10	9	10	10	9	9	10	10	10	10	8	6	8.4
	12	10	10	10	10	10	4	6	8	10	10	10	10	7.3
	13	10	7	9	9	7	6	9	10	10	10	10	10	7.3
	14	4	7	6	6	4	8	10	10	10	10	10	10	8.4
	15	7	8	9	10	10	10	8	8	6	7	3	5	8.8
	16	9	7	5	3	5	4	6	6	7	6	5	6	5.0
	17	7	6	6	10	9	10	10	10	8	9	8	7	7.2
	18	7	6	6	5	3	3	8	10	10	10	10	9	6.3
	19	7	4	5	3	5	4	6	7	7	8	7	6	5.8
	20	10	6	6	5	7	10	4	3	9	3	4	6	6.0
	21	7	6	8	8	10	10	10	8	5	8	9	10	6.1
	22	8	9	9	7	7	10	10	9	6	6	7	9	6.8
	23	9	9	9	7	7	6	6	6	2	4	1	2	7.6
	24	9	9	10	9	9	8	5	7	7	7	5	4	6.0
	25	6	6	5	10	10	10	9	8	6	6	9	9	5.9
	26	6	4	4	4	6	6	10	8	8	10	6	6	6.3
	27	10	10	9	10	9	10	9	10	8	10	10	10	9.3
	28	5	5	6	6	7	7	6	7	2	3	2	2	5.8
	29	8	7	8	8	9	7	8	9	9	6	9	7	6.8
	30	8	10	10	10	10	10	8	5	3	1	0	0	6.5
Hourly Means.		7.4	7.1	7.3	7.6	7.9	7.6	8.1	8.3	7.7	7.2	6.6	6.3	6.60

BAROMETRIC PRESSURE.

BAROMETER AT 0°C = 750 MILLIMETRES + THE NUMBERS IN THE TABLE.

Mean Batavia Time.	1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—	
D E C E M B E R.	1	10.58	10.20	10.43	10.09	10.15	10.83	11.19	11.66	11.82	11.70	11.29	10.62	—
	2	9.87	9.69	9.50	9.33	9.50	10.18	10.93	11.18	11.48	11.24	10.64	9.99	—
	3	9.72	9.27	9.05	8.71	9.02	10.00	10.62	10.63	10.61	10.51	10.23	10.02	—
	4	9.75	9.33	9.01	8.87	9.21	9.45	9.86	10.14	10.32	10.19	9.91	9.25	—
	5	9.57	9.00	8.81	8.94	9.20	9.34	10.05	10.58	10.62	10.36	10.12	9.74	—
	6	9.19	8.55	8.31	8.22	8.82	9.60	10.05	10.68	10.73	10.70	10.64	9.70	—
	7	8.90	8.16	7.82	7.80	7.85	8.41	8.91	9.14	9.63	9.54	9.28	9.14	—
	8	8.87	8.38	8.08	7.81	8.15	8.86	9.12	9.22	9.11	9.23	8.82	8.65	—
	9	8.56	8.37	8.15	7.93	7.96	8.33	8.78	8.86	8.94	8.63	8.35	7.89	—
	10	7.35	6.71	6.64	6.75	7.42	7.49	8.01	8.12	7.97	8.01	7.54	6.89	—
	11	7.04	6.80	6.46	6.11	6.41	6.70	7.02	7.22	7.60	7.25	6.64	6.21	—
	12	6.97	6.22	6.20	6.16	6.22	6.72	7.47	7.90	8.10	8.00	7.75	7.42	—
	13	6.99	6.65	6.17	6.27	6.54	6.85	7.27	7.82	7.95	8.01	7.61	7.07	—
	14	7.11	6.42	6.12	6.35	6.56	6.97	7.60	8.20	8.29	8.24	7.60	6.95	—
	15	7.00	6.75	6.56	6.57	6.82	7.44	7.99	8.42	8.83	8.23	7.68	7.33	—
	16	7.26	6.74	6.50	6.57	6.79	6.96	7.77	8.17	8.09	8.25	7.78	7.17	—
	17	6.55	6.09	5.91	5.92	6.05	6.47	6.97	7.42	7.63	7.63	7.34	6.58	—
	18	6.84	6.25	5.76	5.76	5.89	6.41	7.40	7.70	7.65	7.74	7.48	6.89	—
	19	7.95	8.22	8.41	8.20	8.20	8.60	8.88	9.18	9.32	8.96	8.70	8.03	—
	20	7.69	7.61	7.17	7.19	7.75	8.25	9.31	9.85	10.30	9.88	9.40	8.56	—
	21	9.37	8.98	8.78	8.35	8.75	8.90	9.15	9.13	9.37	9.17	8.92	9.01	—
	22	8.99	8.64	8.34	8.36	8.51	8.58	8.82	8.92	9.16	8.92	8.54	7.85	—
	23	8.26	8.05	7.35	7.55	7.95	8.07	8.31	8.40	8.33	8.24	7.98	7.53	—
	24	6.99	6.70	6.70	6.60	7.00	7.87	8.73	8.71	8.72	8.58	8.37	8.05	—
	25	8.11	8.07	8.33	8.28	8.59	8.79	9.29	9.43	9.63	9.71	9.35	9.16	—
	26	8.93	8.75	8.65	8.70	8.92	9.33	10.28	10.83	10.80	10.63	10.07	9.75	—
	27	9.73	9.44	9.17	9.56	9.86	10.23	10.60	11.15	11.39	11.46	11.49	10.86	—
	28	10.19	9.76	9.79	9.91	9.92	10.02	10.94	11.20	11.13	10.93	10.58	10.09	—
	29	9.13	8.97	8.98	8.95	9.11	9.38	10.02	10.66	10.96	10.75	10.23	9.62	—
	30	10.40	10.00	10.00	10.04	10.08	10.38	11.03	11.41	11.78	11.41	10.92	10.04	—
	31	10.30	9.86	9.84	10.01	10.68	10.95	11.39	11.87	11.88	11.88	11.40	10.73	—
Hourly Means.		8.52	8.15	7.97	7.93	8.19	8.59	9.15	9.48	9.62	9.48	9.12	8.61	—
Mean Batavia Time.	1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.	
D E C E M B E R.	1	9.89	9.22	8.63	8.34	8.61	9.13	9.79	10.81	11.45	11.49	11.28	10.67	10.41
	2	9.28	8.52	8.15	7.86	8.21	8.69	9.88	10.08	10.91	11.02	10.80	10.38	9.89
	3	9.04	8.56	8.08	7.94	8.21	8.48	9.09	9.58	10.22	10.57	10.54	10.23	9.54
	4	8.30	7.36	7.11	7.06	7.35	8.03	8.48	9.48	9.93	10.13	10.13	9.85	9.10
	5	8.89	8.04	7.53	7.47	8.29	8.84	9.51	10.56	10.67	10.50	10.53	10.00	9.47
	6	8.55	7.94	7.64	7.63	7.88	8.29	8.69	9.04	9.70	9.73	9.59	9.21	9.13
	7	8.49	7.94	7.70	7.26	7.29	7.81	8.42	9.22	9.78	9.99	9.85	9.40	8.66
	8	8.03	7.28	6.82	6.64	6.64	7.33	7.94	8.80	9.14	9.16	8.92	8.72	8.32
	9	7.21	6.27	6.09	5.81	5.79	6.22	7.16	7.77	8.04	8.28	7.90	7.48	7.70
	10	6.43	6.08	5.42	5.13	5.34	5.93	6.46	6.97	7.48	7.61	7.54	7.26	6.94
	11	6.21	5.08	4.59	4.99	5.49	6.38	6.93	6.71	6.72	7.26	7.30	7.59	6.53
	12	6.79	6.17	5.47	5.48	5.99	6.20	7.04	7.40	7.85	7.87	7.91	7.52	6.95
	13	6.57	5.89	5.66	5.67	5.99	6.67	7.54	8.19	7.93	7.75	7.77	7.55	7.02
	14	6.36	5.73	5.31	5.17	5.64	6.29	7.08	7.48	7.79	8.03	7.76	7.22	6.93
	15	6.56	6.14	5.54	5.51	5.98	6.32	6.55	7.24	7.64	8.03	7.75	7.52	7.10
	16	6.86	5.81	5.38	5.11	4.97	5.48	6.24	6.57	7.42	7.61	7.59	7.09	6.84
	17	5.72	5.33	4.97	4.80	5.38	6.48	6.82	7.58	8.26	8.06	7.59	7.35	6.62
	18	6.21	5.68	5.63	5.58	6.37	6.67	7.54	8.38	8.60	8.61	8.68	8.69	7.02
	19	7.30	6.92	6.39	5.81	6.24	6.58	7.79	8.20	8.54	8.63	8.23	7.90	7.97
	20	8.16	7.69	7.29	7.71	7.71	8.64	9.39	10.03	10.10	10.21	10.48	9.95	8.76
	21	8.56	8.47	8.24	7.89	8.19	9.16	9.27	10.19	10.67	10.94	10.81	10.04	9.18
	22	7.52	6.89	6.84	7.14	7.05	7.60	8.07	8.55	8.96	8.87	9.15	9.08	8.31
	23	6.92	6.43	6.01	5.99	6.09	6.31	7.43	8.11	8.25	7.89	7.42	7.35	7.51
	24	7.76	7.01	6.80	6.90	7.37	7.76	8.35	8.53	8.96	9.28	8.80	8.65	7.88
	25	8.81	8.41	7.66	7.78	8.28	8.93	9.20	9.52	9.89	9.59	9.48	9.12	8.89
	26	9.34	8.93	8.72	8.61	9.10	9.45	9.90	10.59	10.73	10.69	10.70	10.26	9.69
	27	10.26	9.68	9.09	8.97	9.14	9.74	10.24	10.60	10.96	11.03	10.84	10.96	10.27
	28	9.31	8.78	8.75	8.95	9.27	9.68	10.29	10.35	10.73	10.70	10.49	9.85	10.07
	29	9.23	8.60	8.23	8.15	8.46	8.73	9.48	10.02	10.60	10.82	10.74	10.40	9.59
	30	9.40	8.77	8.07	7.92	8.12	8.91	9.47	9.83	10.38	10.67	10.78	10.63	10.02
	31	9.84	9.22	8.73	8.65	8.79	9.58	10.07	10.74	11.24	11.05	10.96	10.56	10.43
Hourly Means.		7.99	7.38	6.99	6.90	7.20	7.75	8.39	8.94	9.34	9.42	9.30	8.98	8.48

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STANDARD THERMOMETER.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	
DECEMBER.	1	74.9	74.3	74.0	73.7	73.5	73.0	74.6	77.6	81.7	83.6	84.3	85.3	—
	2	77.2	77.0	76.2	75.7	75.3	75.1	76.0	78.0	81.6	84.1	87.0	88.0	—
	3	78.0	77.1	76.9	76.5	76.7	76.9	78.9	81.3	83.9	84.1	85.9	83.7	—
	4	76.5	75.9	75.6	75.4	74.9	74.6	76.5	80.0	82.7	85.7	87.0	88.0	—
	5	77.2	76.9	76.6	76.4	75.9	75.7	77.3	80.0	84.0	85.3	80.2	81.4	—
	6	75.0	75.0	75.0	75.0	75.0	75.0	75.8	76.9	79.2	76.9	76.4	76.5	—
	7	76.0	76.0	75.7	75.4	75.3	75.0	76.0	77.0	78.0	79.8	81.0	81.2	—
	8	75.3	75.2	75.2	74.7	73.9	73.6	75.0	77.7	81.0	83.3	84.5	78.1	—
	9	76.1	75.7	75.0	74.6	73.9	73.9	75.1	79.5	82.6	85.0	86.0	88.1	—
	10	78.5	77.8	77.6	77.3	74.8	74.0	74.2	76.1	80.1	82.0	85.3	86.2	—
	11	78.0	78.0	77.2	76.6	76.4	75.5	76.0	78.1	80.2	82.9	85.5	86.4	—
	12	75.2	75.0	74.8	74.6	74.6	74.4	76.0	79.0	82.2	83.3	83.8	83.2	—
	13	76.3	75.7	75.6	75.6	75.5	75.6	77.0	79.0	80.2	82.2	83.2	84.5	—
	14	76.5	76.5	76.3	76.0	75.4	75.2	76.1	77.9	80.5	81.5	83.5	84.2	—
	15	76.9	76.9	76.5	76.1	76.1	76.1	77.7	80.1	77.1	80.6	84.0	84.0	—
	16	76.0	75.7	75.2	75.0	74.8	74.4	75.7	77.6	81.1	82.2	83.7	85.7	—
	17	77.0	76.6	76.2	75.8	75.4	75.4	76.0	78.8	82.2	84.6	86.0	86.7	—
	18	76.4	76.0	76.0	76.0	75.7	75.5	76.1	78.3	81.8	85.0	85.2	85.0	—
	19	78.0	74.8	74.2	73.9	74.4	74.2	74.0	74.0	75.5	79.0	81.0	82.6	—
	20	76.6	76.2	75.7	75.9	76.1	76.3	76.0	75.6	76.2	76.9	76.0	77.0	—
	21	73.4	73.6	73.6	73.5	73.7	73.7	74.0	76.3	77.5	78.8	79.3	77.7	—
	22	72.0	72.0	71.9	72.3	73.5	73.9	74.2	76.2	78.7	81.5	82.8	84.4	—
	23	74.3	73.7	73.7	73.7	74.1	73.6	74.2	76.3	78.2	81.0	83.9	85.0	—
	24	75.8	76.3	76.1	76.4	76.6	74.2	74.0	73.8	74.5	75.6	77.1	78.6	—
	25	73.8	73.6	73.1	73.1	72.9	73.1	73.4	74.2	75.2	76.5	78.0	79.3	—
	26	75.8	76.0	76.0	75.6	75.0	74.7	75.7	77.6	79.6	81.6	83.0	80.8	—
	27	74.6	74.3	74.0	74.4	74.0	73.0	73.0	74.0	75.0	75.8	75.0	76.2	—
	28	74.5	74.0	73.6	73.0	73.1	73.0	73.8	76.2	78.4	81.0	83.4	83.4	—
	29	75.4	74.3	74.5	74.3	73.6	73.0	74.1	76.0	79.0	80.1	81.7	83.5	—
	30	76.4	74.3	74.1	74.1	73.5	73.5	73.8	74.9	76.0	76.7	77.4	80.2	—
	31	76.5	75.5	75.0	75.0	72.2	72.8	73.0	73.9	76.0	77.5	79.5	80.8	—
Hourly Means.		75.94	75.48	75.20	75.02	74.70	74.45	75.26	77.16	79.35	81.10	82.28	82.76	—
Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
DECEMBER.	1	86.1	85.1	85.0	84.0	83.1	82.3	81.1	80.0	79.0	78.1	77.6	77.5	79.56
	2	87.0	87.0	87.0	86.2	84.9	83.7	83.2	80.4	78.0	78.2	78.1	78.0	80.95
	3	83.8	83.0	83.0	83.0	82.8	82.0	80.7	79.6	79.0	78.0	77.2	76.7	80.36
	4	87.0	86.6	86.6	85.3	84.3	83.4	80.4	79.0	78.8	78.2	77.6	77.1	80.71
	5	83.9	86.0	86.0	85.5	84.0	83.2	78.5	76.0	76.0	75.5	75.5	75.5	79.69
	6	78.4	80.4	81.1	81.3	81.1	80.2	79.1	78.0	77.5	76.9	76.6	76.4	77.45
	7	81.4	81.6	80.6	76.1	77.4	77.7	77.3	77.0	76.8	76.5	76.2	75.9	77.54
	8	80.5	82.2	82.2	78.7	79.2	79.0	78.2	77.9	77.7	77.0	76.7	76.4	78.05
	9	86.2	86.2	84.5	85.6	86.1	83.6	82.3	81.5	81.0	79.8	79.4	79.0	80.86
	10	87.0	84.8	83.6	85.1	85.0	83.7	82.4	81.2	80.2	79.0	78.6	77.9	80.52
	11	78.0	81.5	83.4	83.2	83.0	80.2	77.8	76.5	76.1	75.7	75.7	75.5	79.06
	12	83.4	83.2	83.2	83.7	82.9	80.0	79.0	78.0	77.3	76.6	76.8	76.6	79.03
	13	85.6	83.4	83.8	83.8	82.0	80.0	78.4	78.1	77.9	77.7	77.4	76.9	79.39
	14	84.6	83.0	84.2	83.4	83.2	82.0	81.1	79.5	78.5	78.2	77.6	77.1	79.67
	15	83.0	84.8	83.8	84.8	82.6	81.5	79.4	78.2	78.0	77.6	77.2	76.4	79.48
	16	83.8	82.8	85.0	85.0	84.1	83.3	82.0	81.1	80.2	79.2	78.5	77.5	79.98
	17	86.2	84.9	85.9	85.7	82.8	80.4	79.7	79.5	78.7	78.5	78.0	77.3	80.35
	18	84.6	84.8	84.4	81.0	79.8	79.0	78.7	78.2	78.2	77.9	77.9	77.9	79.68
	19	84.5	83.5	85.0	85.0	85.0	83.2	81.2	80.4	80.0	79.1	78.0	77.0	79.06
	20	77.5	78.2	76.2	76.6	76.7	76.7	74.6	74.4	74.2	73.6	73.6	73.4	75.84
	21	77.0	75.2	76.0	76.0	76.2	74.8	73.7	73.2	72.5	72.0	71.8	71.6	71.80
	22	83.1	85.2	79.0	77.5	78.2	78.0	77.8	77.2	76.5	76.9	76.0	75.8	77.28
	23	85.7	86.0	86.8	86.3	85.0	83.0	81.4	78.0	77.1	76.8	76.6	76.3	79.20
	24	76.2	77.2	78.4	78.0	77.0	76.2	75.2	74.5	74.0	74.2	74.0	73.9	75.74
	25	80.5	80.5	81.7	82.1	81.7	80.5	79.2	78.2	77.5	76.7	76.1	75.7	76.94
	26	82.8	81.6	80.6	80.0	80.0	79.6	78.0	75.6	75.5	75.2	74.9	74.6	77.91
	27	77.6	78.6	79.7	79.4	78.8	77.9	77.3	77.1	76.8	76.3	76.3	75.5	76.03
	28	85.2	82.0	79.7	80.3	77.7	77.3	77.0	77.0	76.6	76.2	75.4	75.6	77.39
	29	82.3	82.9	82.6	79.3	82.2	80.4	79.5	78.6	78.2	78.0	78.0	77.9	78.31
	30	82.0	82.6	82.7	82.1	81.6	80.0	79.0	78.2	77.6	77.2	77.2	76.8	77.58
	31	81.3	81.5	81.7	82.0	81.0	78.4	76.2	75.0	75.5	75.0	75.0	74.6	76.87
Hourly Means.		82.78	82.78	82.69	82.16	81.59	80.36	79.01	77.97	77.45	76.96	76.63	76.27	78.56

RELATIVE HUMIDITY OF THE AIR.

SATURATION = 1000.

Mean Batavia Time.	1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—	
DECEMBER.	1	947	947	947	956	938	946	904	852	742	692	708	639	—
	2	932	916	940	931	931	939	932	885	814	728	623	597	—
	3	868	883	891	899	899	900	885	784	706	735	686	775	—
	4	924	940	948	948	947	947	865	825	711	636	622	607	—
	5	900	907	924	924	923	923	900	840	728	666	833	858	—
	6	957	957	956	956	956	957	974	941	870	924	948	948	—
	7	948	940	948	957	957	966	940	925	908	910	850	828	—
	8	966	957	947	956	965	973	957	901	739	725	695	876	—
	9	948	940	956	947	956	956	917	871	780	730	700	620	—
	10	918	925	925	900	913	930	938	915	864	772	711	675	—
	11	933	933	941	957	948	957	948	926	903	795	726	708	—
	12	957	947	947	947	947	939	915	870	786	740	790	775	—
	13	932	940	957	957	957	948	932	902	887	851	817	749	—
	14	957	957	966	948	948	948	932	868	782	792	740	770	—
	15	907	916	916	932	932	940	852	887	916	888	783	756	—
	16	940	940	940	948	939	947	948	892	843	815	706	687	—
	17	932	932	948	957	957	948	923	862	801	730	688	684	—
	18	916	923	923	915	940	948	948	869	764	697	718	731	—
	19	926	947	947	965	965	965	965	965	957	870	836	787	—
	20	858	857	881	899	899	899	849	848	873	883	915	867	—
	21	947	956	947	947	938	938	947	899	867	815	816	908	—
	22	955	964	946	928	938	929	913	866	815	728	738	702	—
	23	796	803	811	811	804	869	896	882	837	761	721	690	—
	24	856	841	857	857	842	930	930	947	922	906	883	831	—
	25	912	929	955	965	964	965	965	973	957	916	893	863	—
	26	889	881	865	881	897	913	915	876	816	749	724	873	—
	27	939	939	947	921	930	946	955	930	930	906	922	899	—
	28	921	938	938	946	937	946	938	873	821	789	726	740	—
	29	898	913	896	904	920	929	904	889	831	825	749	748	—
	30	924	947	965	956	973	973	965	966	940	891	859	818	—
	31	890	905	914	905	946	955	964	965	940	892	840	775	—
Hourly Means.	919	923	929	930	932	941	927	893	840	799	773	767		

Mean Batavia Time.	1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.	
DECEMBER.	1	630	652	670	714	711	778	836	872	886	901	908	908	820
	2	672	646	646	675	690	726	753	796	821	861	868	876	800
	3	768	780	788	794	787	829	872	902	878	893	900	916	834
	4	622	627	664	685	736	760	796	808	815	837	867	883	793
	5	755	688	674	691	762	753	853	923	923	948	940	948	841
	6	918	865	865	814	843	842	870	908	908	932	941	932	917
	7	784	777	804	890	917	933	949	949	958	957	957	957	913
	8	880	815	815	869	918	909	942	933	933	949	949	948	897
	9	714	714	791	738	667	782	793	813	827	879	894	902	828
	10	678	682	678	626	684	727	765	843	880	894	891	918	819
	11	868	889	796	781	810	788	908	932	932	940	940	931	883
	12	775	795	795	769	788	803	831	861	892	906	916	924	859
	13	654	733	761	761	772	856	926	933	933	933	941	958	875
	14	770	802	762	754	760	816	858	840	869	869	892	900	854
	15	802	778	734	794	808	866	902	918	926	901	917	932	871
	16	741	809	697	738	756	803	837	865	895	886	893	925	850
	17	721	744	693	727	703	781	802	832	862	862	885	900	828
	18	778	751	729	762	879	902	909	926	926	933	933	933	861
	19	743	769	752	743	744	775	805	788	773	801	830	867	854
	20	867	861	915	940	924	891	939	939	939	929	929	947	898
	21	916	939	940	948	948	913	947	946	937	946	936	964	925
	22	724	684	784	844	853	884	884	900	924	891	923	881	858
	23	699	655	620	631	651	711	741	798	804	803	810	825	768
	24	923	859	837	798	843	850	889	897	921	930	930	930	884
	25	774	774	763	736	763	753	801	853	876	875	882	890	865
	26	780	763	789	795	825	840	877	948	957	948	939	947	872
	27	852	822	795	756	815	845	867	867	883	899	865	914	889
	28	678	750	809	781	876	900	924	900	891	899	922	914	865
	29	751	767	766	840	765	797	855	869	885	893	893	861	848
	30	758	745	752	764	784	795	831	814	836	852	859	875	868
	31	762	756	727	728	775	861	890	939	948	947	956	973	881
Hourly Means.	766	764	762	771	792	822	860	881	892	900	907	915	859	

DIRECTION OF THE WIND.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12
DECEMBER.	1	C	C	C	C	C	C	NE	NE	E	ENE	NNE	NNE
	2	C	NNE	C	C	C	NNE	NNE	NNE	NE	SE	ESE	E
	3	C	C	C	SW	SW	C	SW	SW	E	NE	NNE	NE
	4	C	C	C	C	N	N	N	N	N	NE	NE	NNE
	5	SSW	C	SSW	C	C	C	SSW	SSW	SSW	W	ESE	SSW
	6	C	C	C	SSW	C	C	C	C	S	NNW	NNW	N
	7	C	N	C	C	N	N	N	N	N	NE	ENE	ENE
	8	C	C	C	C	SE	SE	SE	SE	ESE	E	NE	NNE
	9	S	C	C	C	C	S	S	S	ESE	E	E	ESE
	10	C	C	ENE	ENE	ESE	ESE	ESE	ESE	ESE	E	E	E
	11	ENE	ENE	ENE	ENE	ENE	ENE	ENE	E	SE	ENE	E	ENE
	12	C	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	NE	N	NNE
	13	C	C	C	C	SSE	SSE	SSE	SSE	S	S	SSE	NE
	14	C	C	W	W	W	C	C	W	NNW	NNW	NNW	N
	15	NE	NE	C	NE	C	NE	NE	NE	E	E	ENE	NE
	16	C	N	N	C	C	C	N	N	NNW	NNW	NE	NNE
	17	C	C	C	C	C	NNE	NNE	NNE	NW	NW	N	N
	18	W	C	C	C	W	C	W	WSW	W	NW	NNW	N
	19	NW	NW	WNW	WSW	WSW	WSW	WSW	WSW	WSW	W	WSW	NW
	20	W	W	W	W	W	W	WNW	W	WNW	WNW	WNW	WNW
	21	WNW	WNW	WNW	WNW	WNW	W	W	W	W	W	WNW	W
	22	WSW	WSW	WSW	WSW	W	W	W	W	W	W	WNW	WNW
	23	WSW	WSW	WSW	WSW	W	W	WSW	WSW	W	WNW	WNW	W
	24	WSW	WSW	WSW	WSW	WSW	WNW	WNW	WNW	WNW	WNW	NW	NW
	25	NW	NW	WNW	NW	NW	C	C	NW	NW	NW	NW	NW
	26	WNW	W	W	W	C	W	W	WSW	WSW	WNW	NW	WNW
	27	W	WSW	WSW	W	W	W	WSW	W	W	W	W	WNW
	28	W	W	W	W	W	W	W	WSW	WNW	WNW	WNW	NW
	29	C	C	C	C	C	C	W	W	NW	NW	NW	WNW
	30	NNW	NNW	NW	NW	NW	NW	W	W	W	WSW	WSW	WSW
	31	W	WNW	WNW	W	NNW	NW	NW	NW	WNW	WNW	NW	NW
Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12
DECEMBER.	1	NNE	NE	NE	NE	NNE	NNE	C	C	C	C	C	C
	2	NNE	NE	NNE	NNE	NE	NNE	NNE	WSW	SW	SW	SW	SW
	3	NE	N	NE	N	N	C	C	N	N	C	C	C
	4	N	NNE	NNE	N	N	WNW	SSW	SSW	SSW	C	C	SSW
	5	NNW	N	N	N	NNE	N	SW	SSW	SSW	SSW	SSW	C
	6	N	N	N	N	N	N	C	C	C	N	C	C
	7	NE	NNE	SE	SE	SE	C	C	C	C	SE	SE	C
	8	NNE	NNE	ESE	S	C	C	C	C	C	C	C	C
	9	NNE	N	S	E	ENE	ENE	ENE	ENE	ENE	C	C	C
	10	ESE	ESE	SSE	E	E	ENE	ENE	C	C	C	C	C
	11	NNE	NNE	NE	NE	NNE	SW	SSE	SSE	C	C	SSE	SSE
	12	N	N	N	NNE	NNE	SSE	C	C	C	C	C	C
	13	NNE	NNE	N	NNE	NNW	W	W	W	C	W	W	W
	14	NE	NE	NE	NE	NE	C	NE	C	C	C	C	C
	15	NE	NNE	NNE	N	N	N	N	N	C	C	C	C
	16	NNE	NE	NNW	NNE	NNE	NNE	NNE	C	C	C	C	C
	17	NNE	N	NNW	WNW	WSW	WSW	C	C	WSW	WSW	W	W
	18	N	NNW	N	N	SW	SW	C	C	C	C	C	SW
	19	WNW	NNE	N	NNW	NW	WNW	W	W	W	W	W	W
	20	WNW	WNW	WNW	W	W	W	W	WSW	W	WNW	WNW	WNW
	21	WSW	W	W	WSW	WSW	SW	WSW	WNW	SW	WNW	W	WSW
	22	WNW	WNW	WNW	W	WSW	WSW	W	W	W	C	C	W
	23	WNW	WNW	NW	WNW	W	WSW	W	WSW	WSW	WSW	WSW	C
	24	WNW	NW	WNW	NW	NW	NW	C	NW	NW	NW	NW	NW
	25	NW	NW	NW	NW	NW	WNW	C	C	C	C	WNW	WNW
	26	NW	N	N	NNW	NNW	NNW	WNW	WNW	WNW	WNW	WNW	WNW
	27	W	WNW	WNW	NW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	W
	28	NW	WNW	WSW	W	W	C	W	W	W	W	C	W
	29	NNW	NW	NNW	NNW	NNW	NNW	NNW	C	C	C	C	NNW
	30	WNW	NW	NW	WNW	NNW	WNW	W	WSW	WSW	W	W	W
	31	NNW	NNW	NNW	NW	NW	WNW	W	W	W	C	C	W

VELOCITY OF THE WIND IN KILOMETERS PER HOUR.

Mean Batavia Time.		1 A.M.	2	3	4	5	6	7	8	9	10	11	12	—
D E C E M B E R.	1	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	4.0	4.0	5.6	8.0	—
	2	0.0	0.8	0.0	0.0	0.0	0.8	3.2	3.2	2.4	3.2	6.4	6.4	—
	3	0.0	0.0	0.0	0.8	0.8	0.0	1.6	1.6	6.4	4.0	10.5	11.3	—
	4	0.0	0.0	0.0	0.0	0.8	0.8	1.6	1.6	3.2	5.6	8.0	9.7	—
	5	0.8	0.0	0.8	0.0	0.0	0.0	1.6	1.6	3.2	4.8	7.2	5.6	—
	6	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	3.2	6.4	3.2	1.6	—
	7	0.0	0.8	0.0	0.0	0.8	0.8	1.6	0.8	2.4	5.6	6.4	8.9	—
	8	0.0	0.0	0.0	0.0	0.8	0.8	0.8	1.6	4.8	8.9	8.0	5.6	—
	9	0.8	0.0	0.0	0.0	0.0	0.8	0.8	3.2	8.0	12.9	14.5	14.5	—
	10	0.0	0.0	1.6	6.4	6.4	1.6	1.6	4.0	6.4	15.3	14.5	16.1	—
	11	1.6	3.2	3.2	1.6	1.6	1.6	0.8	3.2	3.2	4.8	8.0	10.5	—
	12	0.0	1.6	3.2	1.6	1.6	2.4	1.6	1.6	2.4	6.4	9.7	11.3	—
	13	0.0	0.0	0.0	0.0	0.8	1.6	0.8	0.8	0.8	0.8	3.2	9.7	—
	14	0.0	0.0	1.6	1.6	0.8	0.0	0.0	0.8	2.4	2.4	4.0	4.0	—
	15	0.8	1.6	0.0	0.8	0.0	0.8	0.8	1.6	6.4	3.2	4.8	11.3	—
	16	0.0	0.8	1.6	0.0	0.0	0.0	0.8	2.4	3.2	3.2	4.8	7.2	—
	17	0.0	0.0	0.0	0.0	0.0	1.6	0.8	1.6	4.0	4.8	7.2	9.7	—
	18	0.8	0.0	0.0	0.0	0.8	0.0	1.6	1.6	4.0	6.4	7.2	11.3	—
	19	5.6	11.3	4.8	6.4	3.2	2.4	1.6	0.8	1.6	4.8	4.8	4.8	—
	20	1.6	1.6	2.4	2.4	4.0	7.2	12.1	8.0	4.8	7.2	9.7	8.0	—
	21	6.4	5.6	7.2	4.0	3.2	2.4	2.4	4.8	6.4	6.4	4.8	4.0	—
	22	3.2	1.6	1.6	2.4	3.2	1.6	3.2	2.4	3.2	5.6	8.0	10.5	—
	23	10.5	6.4	4.0	4.0	8.0	4.8	4.0	3.2	6.4	9.7	10.5	11.3	—
	24	0.8	0.8	0.8	1.6	4.8	4.8	3.2	1.6	1.6	1.6	4.0	5.6	—
	25	0.8	2.4	3.2	4.0	0.8	0.0	0.0	1.6	1.6	2.4	5.6	12.1	—
	26	1.6	2.4	0.8	0.8	0.0	1.6	4.8	5.6	8.9	12.9	10.5	6.4	—
	27	4.8	1.6	4.0	4.8	6.4	7.2	5.6	4.8	5.6	8.0	4.8	7.2	—
	28	1.6	2.4	2.4	1.6	0.8	0.8	1.6	4.8	8.0	10.5	11.3	14.5	—
	29	0.0	0.0	0.0	0.0	0.0	0.0	1.6	4.8	6.4	10.5	11.3	12.9	—
	30	9.7	8.9	7.2	2.4	2.4	3.2	4.0	3.2	3.2	4.8	6.4	6.4	—
	31	4.0	2.4	2.4	10.5	9.7	2.4	0.8	2.4	3.2	4.8	8.9	12.9	—
Hourly Means.		1.79	1.81	1.70	1.89	1.99	1.68	2.15	2.61	4.24	6.19	7.54	9.01	—
Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
D E C E M B E R.	1	12.1	8.0	8.9	8.0	4.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0	2.81
	2	12.9	12.9	13.7	12.9	12.1	4.8	3.2	3.2	4.8	1.6	1.6	1.6	4.65
	3	9.7	7.2	8.0	6.4	2.4	0.0	0.0	0.8	0.8	0.0	0.0	0.0	3.01
	4	13.7	16.1	13.7	10.5	4.0	6.4	3.2	2.4	0.8	0.0	0.0	0.8	4.29
	5	8.0	11.3	10.5	10.5	6.4	4.0	13.7	3.2	2.4	1.6	1.6	0.0	4.12
	6	2.4	1.6	0.8	1.6	0.8	1.6	0.0	0.0	0.0	0.8	0.0	0.0	1.03
	7	9.7	8.9	9.7	3.2	0.8	0.0	0.0	0.0	0.0	0.8	1.6	0.0	2.62
	8	2.4	5.6	8.0	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.04
	9	12.1	11.3	3.2	10.5	12.1	10.5	11.3	9.7	3.2	0.0	0.0	0.0	5.81
	10	15.3	14.5	8.0	15.3	11.3	6.4	0.8	0.0	0.0	0.0	0.0	0.0	6.06
	11	10.5	6.4	12.9	10.5	4.0	6.4	5.6	2.4	0.0	0.0	1.6	0.8	4.35
	12	8.9	9.7	6.4	4.8	5.6	3.2	0.0	0.0	0.0	0.0	0.0	0.0	3.42
	13	13.7	9.7	8.0	6.4	3.2	4.0	1.6	0.8	0.0	0.8	0.8	0.8	2.85
	14	8.0	10.5	9.7	7.2	2.4	0.0	0.8	0.0	0.0	0.0	0.0	0.0	2.34
	15	8.9	10.5	9.7	8.9	2.4	1.6	2.4	1.6	0.0	0.9	0.0	0.0	3.25
	16	9.7	7.2	6.4	7.2	3.2	0.8	1.6	0.0	0.0	0.0	0.0	0.0	2.50
	17	12.1	12.9	12.9	8.9	4.8	2.4	0.0	0.0	0.8	1.6	0.8	0.8	3.65
	18	10.5	11.3	11.3	9.7	4.8	1.6	0.0	0.0	0.0	0.0	0.0	1.6	3.52
	19	4.8	8.0	8.0	9.7	8.0	6.4	5.6	6.4	7.2	1.6	2.4	0.8	5.04
	20	5.6	6.4	8.0	4.0	5.6	5.6	8.0	4.8	4.8	8.9	8.0	5.6	6.01
	21	6.4	3.2	3.2	4.0	4.8	8.9	7.2	10.5	8.9	9.7	4.0	3.2	5.48
	22	12.9	16.9	9.7	6.4	3.2	2.4	0.8	0.8	0.8	0.0	0.0	4.8	4.38
	23	8.9	9.7	12.1	8.0	8.0	5.6	8.9	10.5	8.0	5.6	4.0	0.0	7.17
	24	5.6	4.8	4.8	8.9	6.4	1.6	0.0	0.8	0.8	1.6	1.6	1.6	2.90
	25	11.3	12.1	15.3	8.9	5.6	4.0	0.0	0.0	0.0	0.0	1.6	1.6	3.95
	26	10.5	13.7	9.7	4.8	2.4	3.2	3.2	3.2	0.8	1.6	4.0	3.2	4.86
	27	7.2	5.6	6.4	6.4	3.2	2.4	1.6	1.6	0.8	3.2	4.8	5.6	4.73
	28	15.3	10.5	4.8	8.0	3.2	0.0	0.8	1.6	1.6	0.8	0.0	0.8	4.49
	29	14.5	10.5	8.0	4.8	4.8	3.2	0.8	0.0	0.0	0.0	0.0	1.6	3.99
	30	8.0	8.0	8.0	6.4	4.8	0.8	3.2	3.2	2.4	2.4	3.2	3.2	4.81
	31	11.3	11.3	9.7	8.0	2.4	4.8	1.6	1.6	0.8	0.0	0.0	0.8	4.86
Hourly Means.		9.77	9.56	8.69	7.50	4.76	3.34	2.77	2.23	1.60	1.37	1.34	1.26	4.03

CLOUDS.													
CLEAR = 0. — OVERCAST = 10.													
Mean Batavia Time.	1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
DECEMBER.	1	3	2	7	5	5	6	4	4	6	7	8	—
	2	3	1	0	0	1	4	6	6	4	5	5	—
	3	6	6	10	10	10	10	9	10	8	10	10	—
	4	1	2	2	1	3	4	4	2	1	7	5	—
	5	5	3	3	2	3	5	4	3	7	10	8	—
	6	9	7	7	7	5	7	6	9	10	10	10	—
	7	2	3	2	9	9	9	7	9	9	9	9	—
	8	4	4	3	4	3	2	3	4	6	7	10	—
	9	3	2	1	1	3	4	2	1	1	2	1	—
	10	10	4	7	10	10	10	10	5	4	7	5	—
	11	9	10	10	10	10	10	9	8	7	5	7	—
	12	1	2	1	1	1	3	5	5	6	9	7	—
	13	6	6	6	8	6	6	9	9	10	10	10	—
	14	8	9	8	7	8	10	3	6	5	10	8	—
	15	5	7	3	6	4	10	10	10	8	8	10	—
	16	2	2	3	4	2	6	8	8	6	8	7	—
	17	3	1	0	1	2	3	6	6	6	7	7	—
	18	10	8	10	10	6	6	5	3	4	5	8	—
	19	10	10	10	10	10	10	10	8	8	8	7	—
	20	9	8	9	9	10	10	10	10	10	10	10	—
	21	10	10	10	10	7	7	10	9	10	10	10	—
	22	10	10	10	10	10	9	9	8	7	8	8	—
	23	8	9	7	8	10	10	10	10	8	8	7	—
	24	8	9	9	7	10	10	10	9	10	10	10	—
	25	8	10	10	10	10	10	10	10	10	10	10	—
	26	2	9	9	9	9	9	10	9	8	9	9	—
	27	10	10	10	10	10	10	10	10	10	10	10	—
	28	10	10	10	10	9	9	9	7	4	6	9	—
	29	4	5	5	3	3	5	4	6	6	7	6	—
	30	10	10	10	10	10	10	10	10	10	9	9	—
	31	9	9	9	10	10	10	10	10	9	10	10	—
Hourly Means.	6.4	6.4	6.5	6.8	6.7	7.5	7.5	7.3	7.0	7.5	8.1	8.1	—
Mean Batavia Time.	1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
DECEMBER.	1	6	7	7	8	8	5	6	8	8	5	6	5.9
	2	3	2	3	3	4	4	8	3	5	4	6	3.9
	3	7	9	9	9	7	6	3	2	1	2	3	6.9
	4	3	4	5	6	8	10	8	9	8	7	7	4.8
	5	8	5	4	6	10	10	10	10	10	10	9	6.6
	6	9	10	10	9	10	9	6	6	7	8	5	8.0
	7	9	9	10	10	10	10	9	10	8	5	4	7.6
	8	7	7	9	9	9	7	6	9	8	4	3	5.6
	9	9	9	10	9	9	4	5	6	5	4	7	4.4
	10	3	10	6	6	5	6	5	2	1	1	1	5.6
	11	10	9	8	7	9	10	10	7	6	5	7	8.3
	12	10	10	10	9	8	7	10	5	4	4	9	6.0
	13	7	9	8	7	9	10	10	10	10	7	4	8.2
	14	8	10	8	8	7	6	7	5	2	6	5	7.0
	15	6	6	5	10	10	10	2	4	1	1	2	6.2
	16	10	9	9	8	8	9	10	10	7	6	5	6.7
	17	8	8	6	7	8	8	9	10	9	8	10	6.2
	18	9	9	9	9	10	9	6	8	9	10	10	8.0
	19	7	10	5	6	6	8	5	7	9	7	9	8.3
	20	10	10	10	10	10	10	10	10	9	10	10	9.7
	21	10	10	10	10	10	10	10	10	10	10	10	9.7
	22	6	5	9	10	10	10	10	7	9	6	9	8.8
	23	9	7	7	7	8	9	9	9	8	6	5	8.1
	24	10	10	10	10	10	10	9	9	7	7	9	8.1
	25	10	10	6	8	9	10	9	5	1	0	1	7.2
	26	10	10	10	10	10	10	10	10	10	10	10	7.2
	27	10	10	9	10	9	10	10	8	6	9	10	7.6
	28	8	9	9	9	10	9	10	8	6	2	2	7.7
	29	9	10	10	10	7	6	7	5	7	9	9	6.5
	30	8	9	10	10	10	6	9	5	4	10	10	9.1
	31	9	9	9	9	10	10	10	10	10	10	10	9.7
Hourly Means.	8.0	8.4	8.1	8.4	8.6	8.3	8.0	7.5	6.7	6.2	6.6		7.38

RAIN,
IN MILLIMETRES.

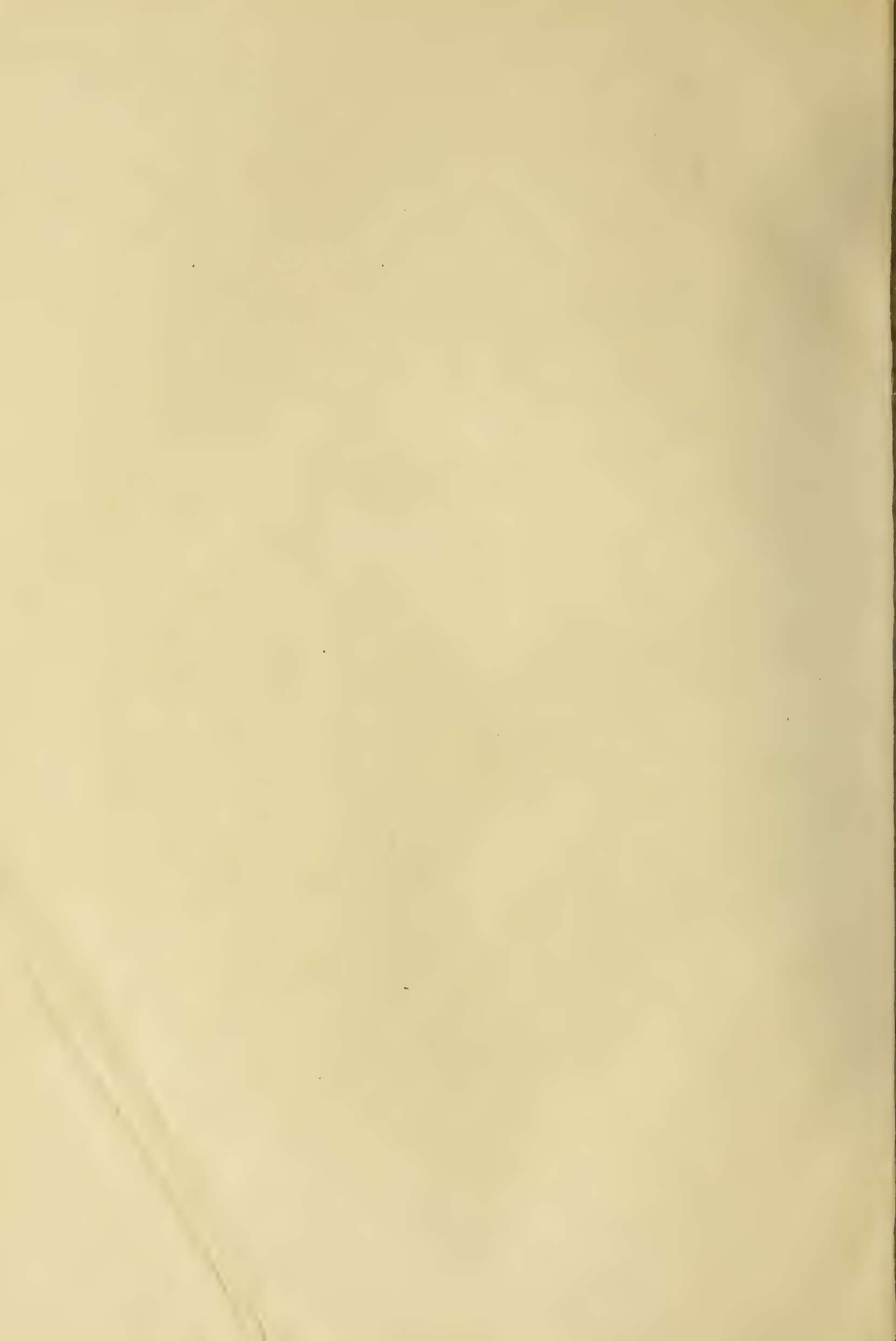
1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily Amount.
—	—	—	—	—	—	—	—	—	—	—	3.2	9.8
3.0	0.3	0.5	—	—	0.4	0.2	0.1	—	—	—	—	73.5
—	—	—	—	—	—	—	—	—	—	0.4	0.8	1.8
—	—	—	—	—	1.0	0.5	1.1	0.1	—	—	—	2.7
—	—	—	—	—	0.3	0.3	0.1	—	—	—	—	3.3
—	—	—	—	—	—	—	—	—	—	—	57.9	57.9
—	—	—	—	—	0.6	0.1	—	—	—	—	—	30.7
—	—	—	—	—	—	1.5	0.5	0.1	—	6.7	0.7	27.3
—	—	—	—	—	—	—	—	—	—	—	—	6.3
—	—	—	—	—	—	—	—	—	—	4.4	3.7	10.2
—	—	—	—	—	—	—	—	—	—	2.9	9.1	14.3
—	—	—	—	—	—	—	—	—	—	—	—	1.6
0.2	0.1	—	1.0	2.4	2.5	0.1	—	—	—	—	—	6.3
—	—	—	—	—	—	—	—	—	—	—	—	9.4
—	—	—	—	—	—	—	—	—	—	9.1	1.1	19.1
—	—	—	0.2	—	—	—	—	—	—	4.0	5.4	48.6
0.3	0.2	—	—	—	—	—	—	—	—	—	—	35.6
—	—	—	—	—	—	—	—	—	—	—	—	44.1
1.4	0.3	—	—	—	—	—	—	—	—	—	—	18.0
—	—	—	—	—	—	—	—	—	—	—	—	2.2
—	—	—	—	—	—	—	—	—	—	—	—	6.4
—	—	—	—	—	—	—	—	—	—	—	—	23.7
—	—	—	0.7	21.5	7.4	2.8	0.1	—	0.3	0.3	0.1	33.2
1.2	1.3	0.3	0.1	—	—	—	—	—	—	—	—	41.4
—	—	—	—	—	—	—	—	—	—	6.4	24.0	31.8
—	—	—	—	—	—	—	—	—	1.8	0.7	12.3	65.0
1.0	0.6	0.1	—	—	—	0.4	0.1	—	—	—	—	42.1
—	—	—	—	—	—	—	—	—	—	—	—	0.2
—	—	—	—	—	—	—	—	—	—	—	—	3.2
—	—	—	—	—	—	—	—	—	—	—	—	1.5
—	—	0.5	—	—	—	—	—	—	—	—	—	0.5
—	—	—	—	—	—	—	—	—	—	4.6	27.1	31.7
—	—	—	—	—	9.7	7.6	0.7	0.2	—	—	—	21.1
—	—	—	—	—	23.8	1.5	0.7	—	—	—	—	26.0
0.1	—	—	—	—	8.3	0.5	0.1	0.1	0.2	0.3	0.7	31.7
—	—	—	—	—	—	1.3	0.2	0.4	0.1	—	—	7.7
—	—	—	—	—	—	—	—	—	—	—	—	6.9
2.0	2.9	0.2	—	—	—	—	—	—	—	—	—	5.1
—	—	—	—	—	—	—	—	—	—	—	—	6.4
—	—	—	—	—	1.8	0.1	—	—	—	—	2.1	34.2
—	—	—	—	—	—	—	—	—	—	—	—	2.0
—	—	—	—	—	—	—	—	1.1	1.4	0.5	0.2	3.2
—	—	—	—	3.9	0.2	0.6	0.7	0.2	0.2	0.1	—	6.2
—	—	4.2	0.9	0.8	0.2	—	0.6	2.3	0.1	—	—	44.4
—	—	—	—	—	—	—	—	—	—	—	6.8	9.8
—	—	—	—	—	—	—	—	—	9.8	14.3	0.4	44.0
—	—	—	—	—	—	—	—	—	—	—	1.1	4.1
—	—	—	—	—	—	—	—	2.9	0.1	—	—	32.9
—	—	—	—	—	—	—	—	—	—	—	—	0.6
—	—	—	—	—	—	—	—	—	—	—	—	3.8
—	—	—	—	—	—	—	—	—	—	—	—	16.6
0.8	0.9	0.1	0.1	—	—	—	—	—	—	—	—	11.6
0.1	1.1	0.2	—	—	—	—	—	—	—	—	—	30.6
—	—	—	—	—	—	—	—	—	—	—	—	4.0
—	—	—	—	—	—	—	—	8.1	0.3	0.2	—	38.2
—	—	—	—	—	—	3.4	0.1	—	—	—	—	15.0
—	—	—	—	—	3.9	3.2	6.2	13.4	3.2	3.5	6.0	43.9
0.1	4.4	6.0	1.3	0.1	—	—	—	—	—	—	—	62.5
0.3	18.7	14.0	10.1	0.3	—	—	—	—	—	—	—	45.7
0	—	—	—	—	—	—	—	—	—	—	—	7.9
—	—	—	—	—	—	—	—	—	—	—	—	9
—	—	—	—	—	—	—	—	0.2	—	—	—	—
0.1	—	—	—	—	—	—	—	—	—	—	19.7	—
—	—	0.6	0.1	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	0.7	0.2	—	—	—	—	—	—	—
—	—	—	—	—	—	—	0.8	1.7	1.6	0.2	0.1	—
10.1	0.7	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	10.4	0.1	—	—	—	—	—	—
7.6	0.5	0.4	0.1	—	—	—	—	—	—	—	—	—
1.1	0.1	—	—	—	—	—	—	—	—	—	—	—
3.2	0.6	0.2	—	—	—	—	—	—	—	—	—	—
0.4	—	—	—	—	—	0.4	—	—	—	—	—	—

RAIN,
IN MILLIMETRES.

Hours of Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12
April	15	—	—	—	—	—	—	—	—	—	—	—	—
»	16	0.5	0.2	—	—	—	—	—	—	—	—	—	—
»	18	—	—	—	—	—	—	—	—	—	—	—	5.8
»	19	0.1	—	—	—	—	—	—	—	—	—	—	—
»	23	—	—	—	—	—	—	—	—	—	—	—	—
»	25	—	—	—	—	—	—	—	—	—	—	—	—
»	26	0.8	0.2	1.1	0.4	0.1	—	—	—	—	—	—	—
»	28	—	—	—	—	—	—	—	—	—	—	—	—
»	30	—	—	—	—	—	—	—	—	—	—	—	—
May	2	—	—	—	—	—	—	—	—	—	—	—	—
»	4	—	—	—	—	—	—	—	—	—	—	—	1.1
»	5	—	—	—	—	—	—	0.6	0.9	1.6	0.4	0.1	—
»	6	—	—	—	—	0.3	—	—	—	—	—	—	—
»	7	—	—	—	0.4	0.8	0.4	0.2	0.1	—	—	—	—
»	11	1.4	1.8	0.1	—	—	—	—	—	—	—	—	—
»	17	—	—	—	—	—	—	—	—	—	—	—	—
»	18	—	—	—	—	—	—	5.4	15.4	0.7	0.4	0.2	—
»	19	—	—	—	—	—	—	—	5.8	0.1	—	—	—
»	20	—	—	—	—	—	—	—	—	—	—	—	—
June	5	—	—	—	—	—	—	—	—	—	—	—	—
August	1	—	—	—	—	—	—	—	—	—	—	—	—
»	2	12.5	—	—	—	—	—	—	—	—	—	—	—
September	14	—	—	—	—	—	—	—	—	—	—	—	—
October	7	—	—	4.1	10.0	0.1	0.1	—	—	—	—	—	—
»	20	—	—	—	—	—	—	—	—	—	—	—	—
»	26	—	19.7	0.1	1.3	0.1	—	—	—	—	—	—	—
»	29	—	—	—	—	—	—	—	—	—	—	—	—
November	1	—	—	—	—	—	—	—	—	—	—	—	—
»	5	—	—	—	—	—	—	—	—	—	—	—	—
»	6	—	—	—	—	—	—	—	—	—	—	—	3.3
»	9	—	—	—	—	—	—	—	—	—	—	—	—
»	10	—	—	—	—	—	—	—	—	—	—	—	—
»	12	—	—	—	—	—	—	—	—	—	—	—	0.5
»	13	—	—	—	—	—	—	—	—	—	—	—	—
»	14	—	—	—	—	—	—	—	—	—	—	—	—
»	15	0.3	—	—	—	—	—	—	—	—	—	—	—
»	18	—	—	—	—	—	—	—	—	—	—	—	—
»	21	—	—	—	—	—	—	—	—	—	—	—	—
»	23	—	—	—	—	—	—	—	—	—	—	—	13.9
»	25	—	—	—	—	—	—	—	—	—	—	—	—
»	27	—	—	0.3	0.1	—	0.7	11.1	2.9	4.8	1.8	1.3	0.3
»	28	—	—	—	—	—	—	—	—	—	—	3.3	0.4
»	30	—	—	—	—	—	—	—	—	—	—	—	1.0
December	5	—	—	—	—	—	—	—	—	—	—	2.7	0.8
»	6	—	—	—	—	—	—	—	—	—	0.4	3.6	2.4
»	7	—	—	—	—	—	—	—	—	—	—	—	—
»	8	—	—	—	—	—	—	—	—	—	—	—	4.5
»	10	—	—	—	—	10.1	1.3	0.4	0.2	—	—	—	—
»	11	—	—	1.8	1.4	1.3	0.6	—	—	—	—	—	—
»	13	—	—	—	—	—	—	—	—	—	—	—	—
»	14	—	—	—	—	—	—	—	—	—	—	—	—
»	15	—	—	—	—	—	—	—	—	6.1	4.8	0.1	—
»	18	—	—	—	—	—	—	—	—	—	—	—	—
»	19	—	29.1	12.9	6.9	4.9	2.6	1.8	0.3	0.2	—	—	—
»	20	—	—	—	—	—	—	—	—	—	—	0.2	0.1
»	21	0.2	0.2	0.1	—	—	—	—	—	—	—	0.1	0.9
»	22	0.7	0.1	—	—	—	—	—	—	—	—	—	—
»	23	—	—	—	—	—	0.5	0.1	—	—	—	—	—
»	24	—	—	—	—	—	5.1	6.7	1.5	0.1	—	—	—
»	25	—	—	3.8	2.9	1.1	0.2	—	—	—	—	—	—
»	26	—	—	—	—	—	—	—	—	—	—	—	1.9
»	27	0.3	0.3	0.1	—	0.6	4.7	0.8	0.2	0.4	0.6	0.8	—
»	28	0.5	0.1	0.3	0.4	0.2	0.1	—	—	—	—	—	—
»	29	—	—	—	—	—	—	—	—	—	—	—	—
»	30	0.2	3.7	23.8	8.9	27.8	3.6	0.5	0.1	—	—	—	—
»	31	—	—	—	2.1	3.5	3.1	2.6	0.1	—	—	—	—

RAIN.
IN MILLIMETRES.

1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily Amount.
—	—	—	—	—	—	—	—	—	—	—	1.5	1.5
—	—	—	—	—	—	—	—	—	—	—	—	0.7
1.7	0.2	—	0.6	0.2	0.1	—	—	—	0.9	0.8	—	10.3
—	—	0.1	—	—	—	—	—	—	—	—	—	0.2
—	—	—	—	—	—	—	—	21.5	3.3	—	—	24.8
—	0.3	0.1	—	—	—	0.7	0.1	—	9.4	0.3	0.1	11.0
—	—	—	—	—	—	—	—	—	—	—	—	2.6
—	—	—	—	0.5	—	—	—	—	—	—	—	0.5
—	10.8	0.8	0.1	—	—	—	—	—	—	—	—	11.7
—	—	—	—	—	—	1.5	—	—	—	—	—	1.5
—	—	—	—	—	—	—	—	—	—	—	—	1.1
—	—	—	—	—	—	—	—	—	—	—	—	3.6
—	—	—	—	—	—	—	—	—	—	—	—	0.3
—	—	—	—	—	—	—	—	—	—	—	—	1.9
—	—	—	—	—	—	—	—	—	—	—	—	3.3
5.9	0.1	—	—	—	—	—	3.0	0.4	—	—	—	9.4
—	—	—	—	—	—	—	—	—	—	—	—	22.1
—	—	—	—	—	—	—	—	—	—	—	—	5.9
—	—	—	—	—	—	0.6	0.2	—	—	—	—	0.8
—	—	13.4	0.4	—	—	—	—	—	—	—	—	13.8
—	—	—	—	—	—	—	—	—	—	—	1.3	1.3
—	—	—	—	—	—	—	—	—	—	—	—	12.5
—	—	—	—	—	—	—	—	0.5	9.7	0.5	—	10.7
—	—	—	—	—	—	—	—	—	—	—	—	14.3
—	—	—	—	—	—	—	—	—	—	—	0.1	0.1
—	—	—	—	—	—	—	—	—	—	—	—	21.2
—	—	—	—	—	—	—	—	—	16.1	0.1	—	16.2
2.7	0.1	—	—	—	—	—	—	—	—	—	—	2.8
—	—	—	—	—	—	—	0.7	—	—	—	—	0.7
0.3	—	—	—	—	—	—	—	—	—	—	—	3.6
—	—	—	—	—	—	—	—	0.9	—	—	—	0.9
—	—	—	—	—	—	1.4	1.7	2.3	0.2	—	—	5.6
—	—	—	—	—	—	—	—	—	10.4	1.3	0.1	12.3
0.3	4.3	—	—	—	—	—	—	—	—	—	—	4.6
—	—	—	—	—	—	0.6	0.3	0.3	0.1	—	0.1	1.4
—	—	—	—	—	—	—	—	—	—	—	—	0.3
—	—	—	—	—	—	—	—	5.0	3.1	—	—	8.1
—	—	—	—	—	7.7	3.4	1.6	0.1	—	—	—	12.8
—	—	—	—	—	—	—	—	—	—	—	—	13.9
—	—	—	—	1.2	10.9	0.4	0.1	—	—	—	—	12.6
0.1	—	—	—	—	—	—	—	—	—	—	—	23.4
0.2	—	—	—	—	—	—	—	—	—	—	—	3.9
0.2	—	—	—	—	—	—	—	—	—	—	—	1.2
—	—	—	—	—	—	—	15.5	0.3	0.8	0.1	0.1	20.3
0.1	—	—	—	—	—	—	—	—	—	—	—	6.5
—	—	—	1.3	0.1	—	—	—	—	—	—	—	1.4
1.1	—	0.2	0.2	0.9	—	—	—	—	—	—	—	6.9
—	—	—	—	—	—	—	—	—	—	—	—	12.0
10.9	0.6	0.1	—	—	—	2.7	3.0	0.1	—	—	—	22.5
—	—	—	—	—	0.6	0.2	—	—	0.2	—	—	1.0
—	0.1	0.3	—	—	—	—	—	—	—	—	—	0.4
0.6	—	—	—	—	—	—	—	—	—	—	—	11.6
—	—	—	—	—	—	0.1	—	—	—	—	—	0.1
—	—	—	—	—	—	—	—	—	—	—	—	58.7
—	—	4.1	5.9	0.2	—	5.9	2.3	1.5	0.2	0.1	0.5	21.0
1.1	4.5	1.5	1.4	0.3	0.2	1.6	6.2	3.8	3.7	6.0	1.5	33.5
—	—	0.7	0.2	0.1	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—
3.3	0.1	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—
0.1	—	—	—	—	—	—	13.6	2.4	0.2	0.2	0.1	13.5
0.1	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	0.6	0.1	—	—	—	—	—	—	—
—	—	—	0.1	0.1	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	0.5	1.0	0.2	0.5	0.1	0.1	3.8



RESULTS
OF
METEOROLOGICAL OBSERVATIONS
1885.

TABLE 1. — Mean height of the Barometer in 1885.
Barometer at 0°C = 750mm + the numbers in the Table.

Hours of mean Batavia Time.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual Means.
	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.
1 a. m.	10.35	8.67	9.70	8.59	9.14	9.24	10.10	9.71	10.15	10.03	9.55	8.52	9.48
2	9.96	8.30	9.27	8.15	8.67	8.87	9.80	9.42	9.76	9.70	9.15	8.15	9.10
3	9.64	8.05	9.01	7.93	8.41	8.59	9.55	9.22	9.65	9.53	8.94	7.97	8.87
4	9.57	7.98	8.91	7.75	8.29	8.56	9.50	9.20	9.67	9.58	8.99	7.93	8.83
5	9.81	8.17	9.16	7.89	8.45	8.77	9.68	9.34	9.92	9.84	9.25	8.19	9.04
6	10.25	8.48	9.43	8.27	8.81	8.97	9.94	9.73	10.33	10.22	9.70	8.59	9.39
7	10.80	8.93	9.89	8.77	9.28	9.34	10.35	10.22	10.85	10.72	10.24	9.15	9.88
8	11.23	9.41	10.38	9.14	9.71	9.79	10.76	10.59	11.16	11.08	10.61	9.48	10.28
9	11.42	9.62	10.66	9.35	9.84	9.89	10.89	10.80	11.29	11.05	10.71	9.62	10.43
10	11.36	9.52	10.66	9.34	9.74	9.70	10.64	10.60	11.09	10.73	10.54	9.48	10.28
11	11.04	9.26	10.31	8.88	9.34	9.29	10.16	10.04	10.43	10.16	10.13	9.12	9.95
12	10.55	8.71	9.77	8.28	8.74	8.65	9.49	9.31	9.70	9.47	9.53	8.61	9.23
1 p. m.	9.96	8.10	9.11	7.64	8.09	8.09	8.90	8.64	9.05	8.69	8.87	7.99	8.59
2	9.30	7.47	8.46	7.00	7.49	7.55	8.32	8.03	8.43	8.15	8.20	7.38	7.98
3	8.74	7.07	8.02	6.48	7.08	7.18	7.94	7.63	8.07	7.83	7.91	6.99	7.58
4	8.63	6.90	7.91	6.52	7.13	7.12	7.88	7.65	8.05	7.83	8.01	6.90	7.54
5	8.91	7.07	8.13	6.88	7.45	7.38	8.12	7.96	8.36	8.20	8.39	7.20	7.84
6	9.46	7.62	8.61	7.45	7.92	7.80	8.50	8.40	8.93	8.79	8.93	7.75	8.35
7	9.91	8.15	9.09	8.07	8.53	8.36	9.08	8.95	9.54	9.41	9.49	8.39	8.91
8	10.48	8.62	9.65	8.65	9.15	8.94	9.63	9.53	10.14	10.00	9.99	8.94	9.48
9	10.96	9.06	10.17	9.09	9.55	9.41	10.06	10.01	10.55	10.47	10.41	9.34	9.92
10	11.20	9.35	10.50	9.32	9.77	9.63	10.32	10.27	10.81	10.80	10.55	9.42	10.16
11	11.18	9.39	10.49	9.31	9.75	9.62	10.33	10.31	10.83	10.74	10.41	9.30	10.14
12	10.82	9.15	10.17	9.06	9.60	9.53	10.32	10.14	10.58	10.40	10.05	8.98	9.90
Monthly Means.	10.23	8.46	9.48	8.24	8.75	8.76	9.59	9.40	9.89	9.73	9.52	8.47	9.21

TABLE 2. — Mean Temperature of the Air in 1885.
Centesimal degrees.

Hours of mean Batavia Time.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual Means.
1 a. m.	23.61	23.69	24.00	24.41	24.32	24.09	23.94	23.84	24.42	24.70	24.31	24.41	24.15
2	23.44	23.57	23.80	24.19	24.08	23.79	23.61	23.47	24.00	24.36	24.11	24.15	23.88
3	23.23	23.41	23.65	24.02	23.82	23.46	23.28	23.10	23.56	24.07	23.93	24.00	23.63
4	23.10	23.22	23.53	23.81	23.57	23.16	22.96	22.72	23.23	23.84	23.71	23.90	23.40
5	22.95	23.10	23.42	23.60	23.41	22.83	22.64	22.35	22.92	23.60	23.53	23.72	23.17
6	22.87	23.03	23.29	23.44	23.25	22.58	22.33	22.10	22.69	23.44	23.43	23.59	23.00
7	23.10	23.22	23.51	23.75	23.50	22.76	22.45	22.21	23.18	24.22	24.19	24.03	23.34
8	24.01	23.94	24.36	25.10	24.64	24.12	23.87	23.82	25.02	26.29	26.02	25.09	24.69
9	25.11	24.90	25.60	26.75	26.30	26.02	26.03	25.97	27.17	28.36	27.67	26.31	26.35
10	25.58	25.86	26.33	28.06	27.69	27.81	27.72	27.85	28.91	29.98	28.91	27.28	27.67
11	26.30	26.52	26.88	28.87	28.53	29.15	29.22	29.29	30.19	30.88	29.36	27.93	28.59
12	26.92	27.05	27.32	28.98	29.17	30.20	30.13	30.13	30.62	31.04	29.34	28.20	29.09
1 p. m.	27.18	27.29	27.42	28.89	29.47	30.49	30.11	30.14	30.37	31.04	29.05	28.21	29.14
2	27.29	27.37	27.45	29.06	29.54	30.39	30.02	29.86	30.29	30.97	29.00	28.21	29.12
3	27.19	27.03	27.47	28.85	29.37	29.96	29.71	29.48	29.94	30.46	28.81	28.16	28.87
4	26.95	26.76	27.13	28.53	29.13	29.62	29.18	28.82	29.32	29.90	28.35	27.86	28.46
5	26.51	26.42	26.86	28.01	28.35	28.94	28.40	28.14	28.61	29.20	27.83	27.55	27.90
	25.97	25.75	26.36	27.25	27.54	27.97	27.58	27.34	27.89	28.59	26.85	26.86	27.16
	25.37	25.26	25.71	26.54	26.83	27.10	26.90	26.71	27.43	27.87	26.19	26.12	26.50
	25.00	24.95	25.26	25.99	26.22	26.34	26.22	26.10	26.97	27.18	25.67	25.54	25.95
	24.72	24.69	24.89	25.50	25.66	25.75	25.72	25.58	26.47	26.58	25.33	25.25	25.51
	24.44	24.52	24.65	25.13	25.23	25.25	25.25	25.13	25.90	26.03	24.94	24.97	25.12
	24.15	24.37	24.42	24.87	24.90	24.84	24.84	24.68	25.44	25.61	24.64	24.80	24.80
12	23.67	24.07	24.15	24.63	24.63	24.46	24.43	24.22	24.92	25.12	24.47	24.60	24.45
Monthly Mean	24.94	25.00	25.31	26.18	26.22	26.30	26.11	25.96	26.64	27.22	26.24	25.86	26.00

TABLE 3. — Mean relative Humidity of the Air in 1885.
Saturation = 1000.

Hours of mean Batavia Time.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual Means.
1 a. m.	942	941	935	932	920	886	863	847	820	835	917	919	896
2	945	943	938	933	923	889	871	856	830	845	922	923	902
3	946	948	940	934	928	895	882	864	838	852	926	929	907
4	950	948	941	937	933	901	892	874	844	862	929	930	912
5	949	953	944	938	936	899	896	883	845	869	928	932	914
6	951	956	947	941	936	902	900	884	849	871	929	941	917
7	950	958	947	931	930	895	893	874	829	838	905	927	906
8	922	937	916	884	887	845	839	804	759	757	836	893	857
9	872	899	863	818	817	767	730	705	667	655	754	840	782
10	848	848	820	763	748	671	651	613	582	579	694	799	718
11	816	812	799	721	708	604	577	540	535	548	678	773	676
12	782	788	784	713	687	559	535	520	532	559	687	767	659
1 p. m.	778	771	778	736	677	570	584	541	553	561	713	766	669
2	771	759	776	722	678	595	592	555	558	554	709	764	669
3	774	776	778	737	698	607	606	571	572	579	715	762	681
4	784	792	788	749	700	624	635	601	606	604	729	771	699
5	798	814	803	777	747	663	674	642	639	645	761	792	730
6	836	846	832	817	793	720	719	684	682	679	804	822	770
7	875	878	879	855	830	764	758	725	712	708	840	860	807
8	897	896	900	876	860	800	786	754	737	737	858	881	832
9	907	904	917	894	882	829	804	774	761	771	875	892	851
10	920	917	925	909	895	849	823	795	785	791	890	900	867
11	928	925	933	919	905	866	838	814	794	802	903	907	878
12	936	927	936	926	910	878	854	835	809	824	912	915	889
Monthly Means.	878	881	876	848	830	770	758	731	714	722	826	859	808

TABLE 4. — Mean Tension of the Atmospheric Vapour in 1885.

Hours of mean Batavia Time.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual Means.
1 a. m.	20.53	20.61	20.85	21.30	20.91	19.94	19.20	18.75	18.77	19.44	20.83	21.01	20.18
2	20.39	20.51	20.66	21.04	20.66	19.65	18.98	18.53	18.53	19.28	20.70	20.78	19.98
3	20.16	20.41	20.51	20.83	20.46	19.37	18.83	18.29	18.21	19.08	20.55	20.70	19.78
4	20.05	20.18	20.39	20.64	20.25	19.14	18.67	18.09	17.96	19.04	20.35	20.60	19.61
5	19.86	20.13	20.31	20.40	20.12	18.71	18.39	17.85	17.65	18.91	20.10	20.44	19.41
6	19.82	20.11	20.21	20.28	19.94	18.51	18.11	17.60	17.48	18.79	20.01	20.45	19.28
7	20.05	20.38	20.48	20.42	20.10	18.52	18.09	17.50	17.57	18.93	20.37	20.72	19.43
8	20.59	20.83	20.86	21.05	20.60	19.04	18.59	17.78	18.05	19.34	21.02	21.27	19.92
9	20.77	21.19	21.10	21.49	20.88	19.42	18.44	17.73	17.95	18.90	20.84	21.42	20.01
10	20.69	21.12	20.88	21.65	20.70	18.80	18.16	17.16	17.31	18.30	20.59	21.50	19.74
11	20.74	20.98	20.96	21.44	20.55	18.32	17.55	16.41	17.15	18.14	20.57	21.60	19.53
12	20.61	20.99	21.15	21.25	20.66	18.00	17.13	16.57	17.44	18.72	20.69	21.74	19.58
1 p. m.	20.78	20.81	21.08	21.77	20.70	18.66	18.64	17.22	17.88	18.75	21.14	21.79	19.94
2	20.75	20.62	21.05	21.59	20.84	19.30	18.76	17.40	17.93	18.39	21.02	21.75	19.95
3	20.72	20.63	21.12	21.74	21.24	19.14	18.86	17.47	18.04	18.72	21.02	21.59	20.02
4	20.73	20.76	21.00	21.67	21.00	19.28	19.12	17.70	18.41	18.91	20.83	21.50	20.08
5	20.57	20.89	21.07	21.82	21.42	19.72	19.40	18.17	18.61	19.40	21.13	21.67	20.32
6	20.89	20.87	21.20	21.96	21.70	20.23	19.72	18.49	19.04	19.74	21.16	21.68	20.56
7	21.18	21.10	21.64	22.13	21.81	20.45	19.97	18.91	19.37	19.76	21.28	21.69	20.77
8	21.27	21.18	21.63	21.99	21.82	20.53	19.96	19.05	19.55	19.75	21.12	21.53	20.78
9	21.15	21.05	21.55	21.83	21.69	20.57	19.88	19.00	19.63	20.01	21.11	21.44	20.74
10	21.11	21.12	21.46	21.71	21.51	20.49	19.82	19.00	19.62	19.88	21.01	21.31	20.67
11	20.94	21.13	21.36	21.61	21.32	20.39	19.68	18.94	19.32	19.69	20.98	21.25	20.55
12	20.70	20.77	21.09	21.46	21.10	20.23	19.57	18.91	19.10	19.66	20.94	21.19	20.39
Monthly Means.	20.63	20.77	20.98	21.38	20.92	19.43	18.90	18.02	18.36	19.15	20.81	21.28	20.05

TABLE 5. — Hourly, monthly and annual Means of the recorded Velocity of the Wind for the year 1885.

Hours of mean Batavia Time.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Year.
	k. p. h.	k. p. h.	k. p. h.	k. p. h.	k. p. h.	k. p. h.	k. p. h.	k. p. h.	k. p. h.	k. p. h.	k. p. h.	k. p. h.	k. p. h.
1 a. m.	0.34	0.49	0.78	0.32	0.23	0.11	0.08	0.03	0.19	0.46	0.13	1.79	0.41
2	0.46	0.37	0.77	0.27	0.28	0.19	0.26	0.05	0.13	0.39	0.16	1.81	0.43
3	0.21	0.43	0.54	0.13	0.21	0.29	0.13	0.08	0.11	0.44	0.27	1.70	0.38
4	0.23	0.26	0.18	0.08	0.34	0.11	0.15	0.05	0.13	0.21	0.08	1.89	0.31
5	0.23	0.31	0.28	0.05	0.15	0.08	0.28	0.05	0.16	0.10	0.19	1.99	0.32
6	0.18	0.40	0.39	0.08	0.31	0.08	0.28	0.05	0.32	0.18	0.45	1.68	0.37
7	0.13	0.46	0.52	0.40	0.70	0.61	0.52	0.23	0.77	1.14	1.17	2.15	0.73
8	0.36	1.34	1.19	1.12	1.19	1.33	1.96	1.68	2.35	2.58	2.08	2.61	1.65
9	1.68	2.78	3.47	3.32	3.60	2.99	5.20	3.78	4.70	4.94	3.55	4.24	3.69
10	4.16	5.24	5.36	6.45	6.38	5.57	7.21	5.55	5.94	6.84	5.22	6.19	5.84
11	5.63	7.38	6.27	8.79	7.68	7.85	8.19	6.45	7.47	10.31	6.40	7.54	7.50
12	6.98	9.66	8.65	10.28	8.71	9.58	8.81	8.67	11.89	12.95	8.00	9.01	9.43
1 p. m.	7.16	10.67	9.05	10.61	10.03	11.17	11.33	12.88	15.75	16.28	10.12	9.77	11.24
2	6.50	10.69	8.80	11.10	10.47	12.44	13.85	15.01	17.33	18.16	9.50	9.56	11.95
3	5.72	8.69	8.59	9.69	10.76	13.16	15.58	15.87	17.70	18.32	8.59	8.69	11.78
4	4.11	6.31	6.72	9.34	10.74	11.63	14.47	14.62	15.59	15.74	6.57	7.50	10.28
5	1.81	3.49	3.90	6.67	7.62	7.96	11.46	11.51	11.32	11.62	5.20	4.76	7.28
6	0.49	1.29	1.40	2.60	3.80	3.07	5.25	5.59	5.07	5.25	2.37	3.31	3.29
7	0.05	0.49	0.52	1.31	1.96	0.93	1.47	1.76	1.60	1.81	1.23	2.77	1.33
8	0.03	0.29	0.36	1.07	0.88	0.29	0.67	0.31	0.45	1.26	0.99	2.23	0.74
9	0.10	0.40	0.28	0.61	0.39	0.16	0.28	0.08	0.24	0.96	0.85	1.60	0.50
10	0.05	0.31	0.13	0.35	0.28	0.11	0.15	0.05	0.16	0.60	0.80	1.37	0.37
11	0.00	0.89	0.08	0.37	0.31	0.03	0.28	0.10	0.21	0.36	0.45	1.34	0.41
12	0.00	1.89	0.39	0.40	0.34	0.08	0.23	0.13	0.19	0.34	0.32	1.26	0.51
Monthly and annual Means.			2.86	3.56	3.64	3.74	4.50	4.36	4.99	5.47	3.11	4.03	3.78

TABLE 6. — Hourly and monthly Means of the four Components
of the Wind in the year 1885.
Velocity in kilometers per hour.

Hours of mean Batavia Time.	January.				February.				March.				
	N	E	S	W	N	E	S	W	N	E	S	W	
1 a. m.	0.23	0.05	—	0.13	0.33	0.02	—	0.31	0.53	0.18	—	0.30	
2	0.36	0.05	—	0.16	0.23	0.01	—	0.25	0.65	0.08	—	0.32	
3	0.12	0.05	—	0.10	0.29	—	—	0.30	0.46	0.02	—	0.22	
4	0.19	—	—	0.12	0.18	—	—	0.15	0.16	—	—	0.08	
5	0.18	—	—	0.11	0.22	—	—	0.21	0.20	—	—	0.18	
6	0.15	—	—	0.06	0.24	—	0.01	0.30	0.23	0.04	—	0.24	
7	0.08	—	—	0.05	0.21	—	0.01	0.38	0.35	0.08	—	0.23	
8	0.20	—	0.02	0.20	0.73	—	0.05	0.97	0.56	0.48	0.08	0.28	
9	1.16	0.12	0.03	0.73	1.46	—	0.10	2.03	1.41	1.41	0.40	1.29	
10	3.04	0.18	0.03	2.35	3.69	—	0.13	3.25	2.42	2.16	0.21	2.18	
11	4.46	0.14	—	2.90	5.05	—	—	4.73	3.88	2.45	—	1.86	
12	5.89	0.39	—	2.95	7.54	—	—	5.38	6.47	2.45	—	2.54	
1 p. m.	6.42	0.24	—	2.05	8.61	—	—	5.18	6.46	2.13	—	2.89	
2	5.92	0.07	—	1.65	9.32	—	—	4.16	6.93	1.55	0.01	2.52	
3	5.39	—	—	1.07	7.55	—	—	2.67	7.19	1.81	0.02	1.58	
4	3.46	—	0.05	1.09	5.51	—	0.07	1.87	5.73	1.37	0.02	1.05	
5	1.65	—	0.01	0.25	2.92	—	0.02	1.13	3.05	1.39	—	0.54	
6	0.44	—	0.01	0.10	0.66	—	0.23	0.61	1.07	0.54	—	0.17	
7	—	0.05	0.02	—	0.23	—	0.05	0.32	0.32	0.29	—	0.05	
8	0.02	—	—	0.01	0.18	—	0.01	0.17	0.23	0.12	—	0.14	
9	0.04	—	0.01	0.09	0.22	—	0.04	0.24	0.18	0.01	—	0.16	
10	0.06	—	—	0.14	0.22	—	0.01	0.15	0.09	0.02	0.01	0.01	
11	0.16	0.18	0.19	0.13	0.60	—	0.03	0.45	0.06	0.04	—	—	
12	0.30	0.21	0.01	0.10	1.35	—	0.06	1.10	0.25	0.04	0.04	0.13	
Monthly Means.	1.66	0.07	0.02	0.69	2.40	0.00	0.03	1.53	2.04	0.78	0.03	0.79	

TABLE 6. — Continued.

Hours of mean Batavia Time.	April.				May.				June.				
	N	E	S	W	N	E	S	W	N	E	S	W	
1 a. m.	—	0.14	0.26	0.02	0.06	0.16	0.07	0.04	0.04	0.09	0.02	—	
2	0.01	0.19	0.16	—	0.04	0.18	0.10	0.06	0.10	0.14	0.02	—	
3	—	0.13	0.01	—	0.09	0.11	0.05	0.04	0.11	0.21	0.09	—	
4	—	0.08	—	—	0.22	0.06	0.04	0.12	0.03	0.08	0.04	—	
5	—	0.05	—	—	0.04	0.08	0.07	0.02	0.06	0.05	—	—	
6	—	0.08	0.01	—	0.06	0.27	0.06	—	0.02	0.05	0.04	—	
7	0.02	0.33	0.16	0.01	0.13	0.56	0.21	—	0.12	0.43	0.27	—	
8	0.02	0.76	0.69	0.03	0.05	0.72	0.72	0.11	0.06	0.75	0.83	0.04	
9	0.15	2.91	1.06	0.03	0.02	3.01	1.41	0.04	0.12	1.71	1.86	0.11	
10	0.56	5.96	0.93	—	0.22	5.80	1.81	0.03	0.22	4.43	2.22	0.18	
11	1.37	7.81	0.95	—	1.31	6.64	1.54	0.16	0.56	6.91	1.98	0.02	
12	3.51	7.97	0.83	0.10	2.00	7.61	0.89	0.12	2.15	8.50	0.73	0.04	
1 p. m.	4.22	8.36	0.27	—	3.75	8.14	0.42	0.20	5.70	8.47	0.16	—	
2	5.28	8.45	0.49	—	4.10	8.82	0.22	0.01	7.10	8.68	—	—	
3	4.42	7.40	0.43	—	5.15	8.26	0.14	—	8.56	8.89	0.19	—	
4	4.48	7.15	0.13	0.06	4.61	8.93	0.23	—	6.25	9.17	—	—	
5	2.67	5.49	0.07	0.19	2.69	6.31	0.46	0.10	4.09	6.51	—	—	
6	0.59	2.22	0.23	0.11	1.14	3.07	0.12	0.01	1.09	2.71	—	—	
7	0.26	1.02	0.25	0.10	0.33	1.45	0.51	0.01	0.20	0.89	—	—	
8	0.21	0.57	0.42	0.13	0.23	0.67	0.28	0.01	0.01	0.27	0.09	—	
9	0.10	0.26	0.34	0.10	0.02	0.20	0.17	0.11	—	0.12	0.10	—	
10	—	0.10	0.25	0.09	0.01	0.09	0.18	0.11	—	0.07	0.07	—	
11	0.04	0.13	0.21	0.09	0.08	0.15	0.14	0.05	—	0.01	0.02	—	
12	—	0.21	0.26	0.08	0.05	0.10	0.21	0.07	0.04	0.05	0.02	—	
Monthly Means.	1.16	2.82	0.35	0.05	1.11	2.97	0.43	0.06	1.54	2.88	0.36	0.02	

TABLE 6. — Continued.

Hours of mean Batavia Time.	July.				August.				September.				
	N	E	S	W	N	E	S	W	N	E	S	W	
1 a. m.	0.02	0.05	0.01	0.02	—	0.02	0.01	—	0.08	0.07	0.07	0.02	
2	0.06	0.12	0.05	0.08	0.01	0.05	0.01	—	0.04	0.04	0.06	0.04	
3	0.05	0.08	0.03	0.02	0.05	0.04	—	—	0.04	0.04	0.04	0.04	
4	0.06	0.11	0.03	—	0.02	0.05	—	—	0.04	0.04	0.06	0.04	
5	0.10	0.23	0.05	—	0.05	0.01	—	—	0.08	0.08	0.04	0.03	
6	0.10	0.22	0.05	—	0.02	0.04	—	—	0.19	0.25	—	—	
7	0.10	0.44	0.11	—	0.06	0.20	0.04	—	0.35	0.49	0.15	0.02	
8	0.18	1.05	1.13	0.18	0.27	1.00	0.89	—	0.61	0.88	1.08	0.50	
9	0.05	3.76	2.51	0.10	0.09	2.63	1.87	0.22	0.34	2.29	2.38	0.84	
10	0.46	5.75	2.50	—	0.08	4.15	2.69	0.20	0.72	3.70	2.30	0.64	
11	0.92	7.13	1.66	0.21	0.55	5.29	1.78	0.18	2.40	5.05	1.36	0.70	
12	2.59	7.24	0.58	0.36	4.59	5.34	0.92	0.15	9.14	5.36	0.64	0.27	
1 p. m.	7.74	5.93	0.14	0.25	10.04	5.87	0.13	0.31	13.93	6.25	—	0.16	
2	11.05	6.76	—	—	12.48	6.80	—	0.30	15.14	7.68	—	—	
3	12.06	9.12	—	—	12.21	8.69	—	0.12	14.77	9.14	—	—	
4	10.02	9.82	—	—	10.76	8.47	—	0.05	12.08	9.28	—	—	
5	7.07	8.27	—	—	7.35	7.76	—	0.06	8.55	6.76	—	—	
6	2.74	4.26	—	—	2.84	4.33	—	0.02	3.38	3.41	—	—	
7	0.50	1.32	—	—	0.76	1.39	—	—	0.94	1.19	—	—	
8	0.11	0.52	0.13	—	0.13	0.26	—	—	0.24	0.35	—	—	
9	0.06	0.26	0.04	—	0.04	0.06	—	—	0.11	0.19	—	—	
10	0.04	0.12	0.06	—	0.03	0.03	—	—	—	0.10	0.07	0.02	
11	0.08	0.23	0.06	—	0.04	0.07	0.02	—	0.02	0.04	0.17	0.02	
12	0.02	0.22	0.04	—	0.05	0.06	0.05	—	0.04	0.03	0.10	0.08	
Monthly Means.	2.34	3.04	0.38	0.05	2.61	2.61	0.35	0.07	3.47	2.61	0.36	0.14	

TABLE 6. — Continued.

Hours of mean Batavia Time.	October.				November.				December.				
	N	E	S	W	N	E	S	W	N	E	S	W	
1 a. m.	0.23	0.11	0.10	0.19	0.07	0.02	0.05	0.02	0.57	0.07	0.23	1.36	
2	0.08	0.08	0.21	0.08	—	—	0.14	0.06	0.83	0.16	0.18	1.18	
3	0.18	0.12	0.18	0.08	0.03	0.13	0.15	0.01	0.49	0.18	0.25	1.24	
4	0.01	0.17	0.07	0.02	0.05	0.03	—	0.02	0.31	0.28	0.27	1.42	
5	0.03	0.05	0.04	—	0.05	0.03	0.05	0.05	0.47	0.29	0.29	1.32	
6	0.04	0.06	0.05	0.07	0.30	0.09	0.08	0.01	0.35	0.21	0.21	1.17	
7	0.50	0.59	0.28	0.08	0.39	0.32	0.49	0.18	0.52	0.22	0.36	1.48	
8	0.49	1.18	1.19	0.36	0.42	0.68	1.04	0.38	0.48	0.42	0.54	1.60	
9	0.38	2.79	2.33	0.49	0.26	2.05	1.62	0.37	0.89	1.27	0.74	2.15	
10	1.14	4.36	2.66	0.48	0.70	4.06	1.49	0.26	2.09	2.13	0.16	3.19	
11	4.97	6.26	0.87	0.43	2.33	3.62	1.73	0.26	3.53	2.65	0.40	2.91	
12	10.38	5.25	—	—	5.80	3.60	0.55	0.24	4.77	2.99	0.42	3.23	
1 p. m.	13.40	7.21	—	—	7.65	4.34	0.20	—	7.01	2.34	0.27	2.94	
	14.92	8.55	—	—	8.25	3.72	0.09	0.07	7.09	2.12	0.18	2.65	
	14.38	9.67	—	—	7.08	2.41	0.74	0.07	6.04	1.92	0.72	2.37	
	12.25	8.15	—	—	5.08	2.14	0.38	0.30	4.65	1.88	0.17	2.38	
	8.37	6.77	—	0.06	3.42	1.61	0.58	0.86	2.51	1.37	0.29	1.83	
	3.16	3.58	—	—	0.63	0.52	1.23	0.52	1.16	0.62	0.61	1.86	
	0.67	1.03	0.40	0.10	0.24	0.11	0.76	0.42	0.47	0.51	0.66	1.70	
	0.24	0.48	0.47	0.28	0.20	—	0.67	0.29	0.40	0.32	0.51	1.55	
	0.04	0.28	0.53	0.23	0.37	0.08	0.35	0.19	0.10	0.10	0.55	1.24	
	0.10	0.19	0.35	0.11	0.13	0.07	0.41	0.39	0.35	0.02	0.19	1.19	
	0.22	0.04	0.08	0.05	0.02	0.01	0.34	0.20	0.26	0.06	0.22	1.12	
	0.19	0.12	0.13	0.11	0.03	0.01	0.27	0.11	0.21	0.01	0.16	1.11	
Monthly	2.80	0.41	0.13	0.13	1.31	1.26	0.56	0.22	1.90	0.92	0.36	1.84	

T A B L E 7. — Daily Means of the North and East Components of the Wind in 1885.

Velocity in kilometers per hour.

	January.		February.		March.		April.		May.		June.		July.		August.		September.		October.		November.		December.	
	N	E	N	E	N	E	N	E	N	E	N	E	N	E	N	E	N	E	N	E	N	E	N	E
1	1.59	—0.58	2.14	—0.91	5.01	—2.56	1.23	2.72	—0.58	2.36	0.41	4.48	0.17	6.08	2.85	4.89	1.64	4.61	4.03	2.15	0.92	0.29	2.10	1.65
2	0.40	—0.03	2.34	—1.60	3.28	—1.52	1.26	4.97	0.40	2.72	1.17	3.43	0.91	5.68	2.32	2.65	2.92	1.93	2.82	5.88	2.17	0.00	2.41	1.89
3	1.77	—0.97	2.11	—2.29	2.43	—2.43	1.87	0.45	1.81	2.72	0.96	3.15	1.56	2.94	2.57	3.33	2.73	2.97	3.54	1.59	3.64	1.85	1.97	1.27
4	2.27	—0.23	3.00	—0.91	1.44	—2.40	1.38	0.81	0.56	1.35	1.95	2.05	1.95	3.61	2.08	2.97	2.93	2.79	2.26	0.56	3.48	1.43	3.25	0.67
5	2.03	—0.86	2.22	—0.17	1.09	—1.02	1.26	0.53	—0.14	0.09	0.80	1.53	2.68	3.34	1.36	1.47	3.15	1.41	3.69	0.97	1.18	0.49	0.69	—0.71
6	1.42	—0.61	2.09	—1.01	0.39	—0.72	2.06	0.26	1.67	1.25	0.56	4.45	2.06	2.23	2.73	2.04	2.98	2.40	3.84	0.93	0.16	0.35	0.67	—0.17
7	1.78	—0.08	2.64	—1.55	2.40	—2.04	—0.17	1.15	1.79	2.95	0.10	5.68	2.92	2.76	2.32	2.05	2.21	3.82	3.03	1.12	0.81	0.96	0.86	1.66
8	1.83	0.24	1.73	—2.59	0.58	—1.22	0.14	6.95	2.35	3.73	0.04	5.80	2.68	1.84	1.73	0.55	2.75	1.71	3.53	0.84	2.05	1.30	0.37	1.43
9	1.52	—1.40	2.54	—1.66	1.90	—1.31	—0.73	5.75	0.87	0.90	0.63	4.19	1.76	1.83	2.31	1.13	2.23	0.41	2.66	1.49	2.75	2.39	0.96	4.44
10	2.66	—1.57	3.13	—1.70	2.22	—1.17	1.31	1.57	1.80	3.37	1.44	2.04	1.26	1.47	2.13	0.42	3.56	3.58	3.59	1.59	1.28	0.40	—0.86	5.65
11	2.27	—0.80	2.33	—1.96	1.10	—0.96	2.07	1.49	1.03	2.18	1.27	1.68	1.55	2.18	1.70	1.74	3.27	1.69	3.45	1.83	1.56	1.12	1.27	2.67
12	1.74	—1.48	3.15	—2.05	0.27	—1.24	1.59	2.07	0.21	4.19	0.81	1.38	1.88	2.00	3.14	2.82	3.72	1.48	3.33	—0.15	0.57	0.88	1.73	0.84
13	1.87	—1.18	1.59	—1.90	1.20	—0.92	1.15	3.11	0.21	4.55	0.67	0.80	2.67	2.63	1.14	2.93	3.02	2.28	3.27	2.13	—0.85	2.34	1.55	0.46
14	2.68	—1.22	0.90	—0.79	0.57	—0.32	0.54	2.36	0.96	3.10	1.33	1.37	1.61	5.17	2.77	2.40	3.42	1.47	3.99	3.49	1.21	2.41	1.64	0.80
15	1.56	—0.66	0.31	—3.38	2.34	—0.97	—0.02	4.29	0.80	3.27	1.78	1.51	1.69	2.73	3.56	2.68	1.92	1.71	1.77	4.24	1.17	1.09	2.34	1.69
16	2.03	—0.94	2.63	—2.29	1.68	—1.21	—1.37	4.64	0.37	4.07	0.85	3.51	1.17	2.89	2.76	2.60	1.57	1.03	3.45	4.90	0.96	2.21	2.22	0.62
17	1.96	—1.12	1.93	—2.51	1.39	—0.35	1.63	4.32	0.36	1.77	1.10	3.27	1.66	2.07	2.62	2.97	2.76	1.76	3.68	5.39	2.02	1.11	2.61	—0.99
18	2.77	—1.43	1.14	—1.80	1.90	—0.76	0.10	1.81	—0.72	2.21	1.45	2.39	1.24	2.07	2.25	2.82	2.87	1.08	1.91	7.28	2.93	0.33	2.42	—1.08
19	1.61	—0.57	1.47	—0.83	2.41	0.15	1.02	1.66	1.46	1.94	1.76	2.00	1.97	3.34	0.02	7.08	4.03	2.03	2.71	7.15	0.43	0.73	1.81	—3.52
20	0.38	—0.38	2.98	—1.77	2.01	—0.62	1.87	2.80	1.57	1.72	1.14	1.73	2.24	2.72	2.24	3.59	2.08	4.05	4.99	4.51	1.24	0.83	1.27	—5.73
21	0.38	—0.09	1.92	—1.27	2.41	—0.31	1.43	2.28	1.58	2.69	1.51	1.93	1.38	1.31	2.88	1.43	3.72	5.11	4.23	2.75	2.04	1.49	—0.11	—5.02
22	1.34	—1.00	2.29	—0.43	1.97	0.91	2.17	2.81	0.33	2.37	2.45	2.85	1.20	0.39	2.10	0.36	3.10	3.92	4.10	2.34	1.82	2.08	0.70	—4.15
23	0.85	—0.26	2.59	—0.82	2.56	1.56	0.46	1.96	0.54	4.44	0.55	2.12	1.54	1.90	2.06	1.13	3.41	2.17	3.54	1.90	—0.16	0.72	0.05	—6.67
24	1.94	0.15	1.84	—0.99	2.44	0.60	1.37	3.29	1.30	4.10	1.78	2.33	1.78	3.52	3.38	0.98	4.15	3.14	3.65	4.21	0.27	—0.62	1.34	—2.34
25	2.81	0.51	4.00	—0.75	2.44	0.53	1.42	3.02	—0.11	4.00	1.10	2.32	2.34	3.66	1.79	3.30	4.15	2.87	4.16	1.72	0.56	0.11	2.66	—2.89
26	1.26	0.44	2.71	—1.02	3.20	1.45	0.15	3.62	0.35	1.84	0.62	4.44	3.17	3.46	1.64	4.51	3.42	3.07	2.13	4.57	1.30	0.53	2.45	—3.05
27	1.50	—	3.89	—1.25	3.68	2.04	—0.60	2.26	0.82	4.99	—0.62	4.98	2.97	3.11	3.05	3.71	4.13	2.51	3.90	—0.24	1.04	0.39	0.60	—4.50
28	1.77	—0.90	4.56	—2.46	1.91	2.39	—0.04	2.19	—0.35	3.93	2.92	2.31	3.36	2.69	0.25	5.56	3.97	3.93	3.04	0.21	0.51	1.12	1.37	—3.97
29	1.59	—1.12			2.23	5.20	—0.32	2.54	—0.02	5.58	2.17	3.33	3.16	4.26	1.15	—0.99	3.89	2.06	1.88	0.12	0.35	1.74	2.80	—2.51
30	1.29	—0.98			1.73	1.77	0.10	1.48	—0.10	2.79	2.53	2.96	2.13	5.25	3.60	2.47	3.69	1.11	1.49	3.58	0.18	0.95	1.69	—3.70
31	0.17	—			1.93	7.05			—0.03	3.22			2.06	3.63	3.43	3.22			0.91	3.44			3.01	—3.27
Monthly Means.	1.65	—0.62	2.36	—1.52	2.00	—0.01	0.81	2.61	0.68	2.92	1.17	2.87	1.96	2.99	2.26	2.54	3.11	2.47	3.18	2.66	1.25	1.03	1.54	—0.92

T A B L E 8. — Hourly, monthly and annual mean amount of Cloud in 1885.
A sky free from cloud is represented by 0, entirely overcast sky by 10.

Hours of mean Batavia Time.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual Means.
1 a. m.	7.4	7.7	6.6	6.0	4.8	4.6	4.7	5.3	4.8	4.7	5.6	6.4	5.72
2	7.3	8.0	7.0	5.3	4.9	4.4	4.2	4.8	4.2	4.7	5.2	6.4	5.53
3	7.2	8.5	6.7	5.4	5.0	4.3	4.3	4.0	4.4	5.0	5.5	6.5	5.57
4	7.3	8.3	6.4	4.8	4.8	4.3	3.9	3.5	3.9	4.5	4.9	6.8	5.28
5	6.7	8.3	6.2	4.5	5.1	4.0	3.9	3.4	4.1	4.7	5.5	6.7	5.26
6	7.5	8.5	7.0	4.6	5.4	4.7	4.2	4.2	3.8	4.1	5.2	7.5	5.56
7	6.8	8.7	6.6	3.9	5.0	3.5	3.3	3.5	3.1	3.5	5.1	7.5	5.04
8	6.7	8.4	6.7	3.7	4.5	3.5	2.5	2.7	2.6	2.8	4.8	7.3	4.68
9	7.4	7.9	6.3	4.0	4.2	3.6	2.4	2.8	2.8	4.1	5.4	7.0	4.83
10	7.8	8.3	6.9	5.5	4.2	3.9	3.7	3.5	3.9	5.6	6.7	7.5	5.63
11	7.8	8.3	7.6	6.1	5.1	3.8	3.9	4.4	4.4	6.3	7.4	8.1	6.10
12	7.3	8.3	7.5	6.8	5.6	4.2	4.7	5.3	4.7	5.9	7.9	8.1	6.36
1 p. m.	7.4	8.2	8.0	6.5	5.5	4.9	4.5	4.4	3.4	4.4	7.4	8.0	6.05
2	7.0	7.6	7.6	6.1	5.0	4.2	3.7	3.4	2.5	3.1	7.1	8.4	5.48
3	6.8	8.1	7.3	5.8	5.0	3.8	2.8	2.9	2.4	3.0	7.3	8.1	5.28
4	6.8	7.8	7.2	6.1	5.0	3.3	2.7	3.0	2.4	3.8	7.6	8.4	5.34
5	6.9	8.3	7.0	6.0	4.4	3.1	3.2	3.2	3.5	4.3	7.9	8.6	5.53
6	6.8	8.2	6.9	6.4	5.1	3.9	3.6	4.5	4.7	5.9	7.6	8.3	5.99
7	7.5	8.2	7.0	6.7	5.2	4.2	4.5	4.6	6.1	6.5	8.1	8.0	6.38
8	7.3	7.8	6.7	6.7	4.7	4.4	5.3	5.5	6.7	6.6	8.3	7.5	6.46
9	7.1	7.9	6.7	6.8	4.6	4.5	4.8	6.0	6.4	6.1	7.7	6.7	6.28
10	6.7	8.4	6.4	6.7	4.6	4.2	4.5	5.6	6.0	5.5	7.2	6.2	6.00
11	7.5	8.3	6.0	6.6	4.7	3.9	4.5	5.3	5.7	5.7	6.6	6.6	5.95
12	7.3	8.5	6.0	6.1	4.7	3.8	4.0	5.3	5.1	5.2	6.3	6.5	5.73
Monthly Means.	7.18	8.19	6.85	5.71	4.88	4.04	3.91	4.21	4.23	4.83	6.60	7.38	5.67

T A B L E 9. — Absolute maxima and minima in 1885.

	Barometric pressure in millimetres.		Temperature of the air. Centesimal degrees.		Relative humidity of the air. Saturation = 1000.		Tension of the atmospheric vapour in millimetres.		Velocity of the wind. k. p. h.
	Maximum.	Minimum.	Maximum.	Minimum.	Maximum.	Minimum.	Maximum.	Minimum.	Maximum.
January.	764.41	756.14	29.6	21.2	991	605	22.93	17.45	13.7
February.	761.49	755.15	29.4	21.7	991	541	22.96	16.21	16.9
March.	762.39	756.15	31.2	21.8	991	535	22.94	17.86	20.9
April.	760.50	755.56	31.7	22.6	983	586	23.87	18.92	20.1
May.	761.13	755.97	31.4	22.1	974	507	23.38	16.58	17.7
June.	761.97	754.66	31.7	20.6	966	455	23.93	14.31	20.9
July.	762.59	755.57	31.5	20.2	930	365	22.16	11.91	20.1
August.	762.89	755.82	33.0	20.3	956	340	21.86	11.70	23.3
September.	761.96	756.78	32.4	20.5	923	368	21.73	13.49	22.5
October.	762.52	756.52	34.2	23.3	957	305	23.32	11.70	29.7
November.	762.46	756.19	32.3	22.2	1000	358	25.04	12.73	17.7
December.	761.88	754.59	31.2	22.0	974	597	24.27	17.08	16.9
Year.	761.11	754.59	34.2	20.2	1000	305	25.04	11.70	29.7

T A B L E 10. — Maxima and minima of daily means in 1885.

	Barometric pressure in millimetres.		Temperature of the air. Centesimal degrees.		Relative humidity of the air. Saturation = 1000.		Tension of atmospheric vapour in millimetres.		Velocity of the wind in k. p. h.	
	Maximum.	Minimum.	Maximum.	Minimum.	Maximum.	Minimum.	Maximum.	Minimum.	Maximum.	Minimum.
January . .	762.70	758.80	26.12	23.67	960	812	21.51	19.36	3.22	0.17
February . .	760.42	757.13	26.15	23.47	945	818	21.69	19.59	5.26	1.23
March . . .	761.19	757.98	27.24	23.58	949	788	21.70	20.29	7.74	0.67
April . . .	758.75	757.67	27.61	25.08	913	780	22.08	20.50	7.28	1.44
May . . .	759.91	757.84	27.17	24.68	920	755	21.84	19.31	5.93	0.20
June . . .	760.47	756.92	27.21	25.28	852	712	21.85	16.69	6.20	1.60
July . . .	761.14	758.08	26.83	25.23	794	706	20.03	16.59	6.40	2.95
August . .	761.27	757.50	26.98	24.64	798	667	20.42	16.43	7.21	1.98
September .	760.65	759.14	27.80	25.30	769	661	19.71	16.31	7.04	3.35
October . .	760.96	758.60	28.35	26.20	799	626	20.74	16.17	8.54	3.52
November . .	760.87	758.31	27.45	24.88	918	720	21.83	18.76	4.72	1.47
December . .	760.43	756.53	27.20	23.78	925	768	22.30	19.47	7.17	1.03
Year.	762.70	756.53	28.35	23.47	960	626	22.30	16.17	8.54	0.17

T A B L E 11. — Maxima and minima of daily oscillation or range in 1885.

	Barometric pressure in millimetres.		Temperature of the air. Centesimal degrees.		Relative humidity of the air. Saturation = 1000.		Tension of the atmospheric vapour in millimetres.	
	Maximum.	Minimum.	Maximum.	Minimum.	Maximum.	Minimum.	Maximum.	Minimum.
January	3.59	2.40	8.2	2.1	363	66	4.66	1.29
February	4.01	2.13	6.7	1.3	433	84	6.17	1.86
March	3.76	2.38	7.6	2.3	396	90	4.75	1.19
April	4.33	1.94	7.6	4.6	338	179	4.13	1.62
May	3.98	2.36	8.6	2.5	408	101	5.54	1.50
June	3.84	2.38	10.3	5.6	479	272	5.51	2.34
July	4.60	2.44	10.3	6.2	531	275	7.48	1.84
August	4.30	2.39	10.9	6.1	572	292	8.45	2.74
September	4.23	2.57	11.3	5.9	503	242	6.40	2.23
October	4.27	2.46	11.6	5.8	561	232	7.28	1.12
November	3.76	2.49	8.9	3.4	581	117	8.16	1.40
December	3.86	2.22	7.9	2.7	343	99	4.87	1.34
Year.	4.60	1.94	11.6	1.3	581	66	8.45	1.12

TABLE 12. — Mean daily oscillation or range in 1885.

	Barometric pressure in millimetres.	Temperature of the air. Centesimal degrees.	Relative humidity of the air. Saturation = 1000.	Tension of the atmo- spheric vapour in millimetres.
January	3.05	4.9	226	2.61
February	2.89	4.8	224	2.64
March	3.05	4.9	227	2.70
April	3.26	6.4	272	2.95
May	3.05	6.6	298	2.93
June	2.96	8.1	375	3.55
July	3.09	8.2	382	3.76
August	3.28	8.4	400	4.00
September	3.33	8.3	360	3.73
October	3.42	8.2	371	3.82
November	3.05	7.1	323	3.19
December	2.96	5.6	243	2.82
Year	3.12	6.8	308	3.23

OBSERVATIONS

MADE AT THE

MAGNETICAL AND METEOROLOGICAL OBSERVATORY

AT

BATAVIA.

PUBLISHED BY ORDER OF THE GOVERNMENT OF NETHERLANDS INDIA,

UNDER THE DIRECTION OF

D. J. P. VAN DER STOK.

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P R E F A C E.

On adopting the plan of publishing annuals instead of volumes at irregular periods, it has been necessary to alter in some respects the mode of publication hitherto followed. Where it was necessary to diminish the amount of printed matter I have thought it advisable to save space by the suppression of meteorological rather than magnetical data.

The climate of Batavia may be considered to have been fully ascertained by the results previously published but, with a view to the renewed interest in magnetical inquiries, the publication of full details concerning magnetical observations is of preponderant importance, at least for a period of ten or eleven consecutive years.

In the second place it is convenient every year to add some general results relating to the whole series of observations, because this mode of publication leaves no room for summarizing in one volume general results, as has been done in volumes III, V and VI.

The contents of this volume are divided into five different parts:

- 1°. Meteorological observations.
- 2°. Magnetical observations.
- 3°. Results of meteorological observations.
- 4°. Results of magnetical observations.
- 5°. Appendices.

Some remarks concerning these chapters may here be given.

1. In order to spare room the hourly observations of the atmospheric vapour-tension have not been printed in extenso, because, if required, this tension may be deduced from the temperature of the air and the relative humidity. In the results however the mean values for every hour in the different months are given.

Since September 1886 a selfrecording atmospheric electrometer of Mascart's form with waterdropping collector has been brought into regular and satisfactory operation. As in other places at first great difficulties had to be surmounted before good results were obtained. In the first place it was found that the copper-zinc-water battery, used for charging the quadrants, lost its power even

after a period of a few days so that continual renewing and cleaning of the cells was necessary; under these circumstances it was hardly possible to reduce the readings to absolute measure.

In August 1886 therefore this charging battery was superseded by a dry pile of copper, zinc and well dried blotting paper soaked with zinc sulphate, the whole pile being thickly coated with paraffine. This pile gave better results but slowly and gradually lost its potential differences; owing to this reason therefore since January 1st 1887 a Latimer Clark battery of fifty elements has been employed which, up till the present time (August 1887), did not show any tendency to weakening.

The second reason of non-success, which was not so easily overcome, was the formation of a whitish film of great viscosity on the surface of the sulphuric acid, which, strongly adhering to the platinum vane dipping into the acid, caused the needle to show displacements of a very irregular description and a continual shifting of the zero-position. This film is due to chemical action between platinum and sulphuric acid, as has been proved by keeping platinum wire submerged in strong sulphuric acid in a test tube when, after some time, a precipitate of the same outer appearance was found to be formed. The quantity however was too small to allow an investigation into the chemical constitution of the precipitate.

After several trials, which all proved useless, this encumbrance has been surmounted by superseding the sulphuric acid by glycerine and at the same time by shutting off the whole instrument from the outer air by means of a large glass bell, the enclosed air and instrument being kept dry by means of a vessel filled with concentrated sulphuric acid placed next to the electrometer. The different wires are passed through holes drilled in the marble plate on which the instrument is placed and the holes filled up with paraffine. Used in this way, together with sulphuric acid, the glycerine did not show any alteration during the twelve months September 1886 till August 1887 inclusive; when the collector is connected with the earth, the needle comes practically immediately to its zero-position thus showing the damping to be dead-beat and during all that time this zero-point did not show any shifting. Perhaps this success obtained with glycerine is due to the small variations of temperature to which the glycerine is subjected in this climate and its application in high latitudes might prove to be objectionable. The zero-position of the needle is verified every morning before putting a fresh sheet upon the cylinder and once a week the value of one millimetre of the curve in volts is determined by means of a testing battery of twelve Latimer Clerk standard cells (H form).

Since December 31th the deviation caused by this battery has remained almost exactly the same and equal to 55 m.m., a proof of the constancy of the batteries and the usefulness of the glycerine, at least in this climate. The muzzle of the discharging tube is about 1.5 metres from the wall and 2 metres above the soil; the electrometer is placed in a dark room at a distance of about two metres from the collector. The insulation of the copper vessel by means of Mascart's insulators proved to be satisfactory even during the wet season; from time to time it is tested by means of a gold-leaf electroscope after charging the vessel to a high potential. The sensibility of the instrument, (0.487 volts = 1 m.m. is such that the needle shows very large and irregular movements, whenever the atmospheric potential is disturbed by rain; under these circumstances the steepness of the lines does not allow of a proper measurement of the ordinates; this is one of the reasons to which the

many blanks in the records are to be ascribed, other reasons are instrumental deficiencies as gas supply, stoppage of the clock or, which often occurs, obstruction of the discharging tube.

On page 84 observations of the Arago-Davy solar radiation thermometer, made at four different hours have been printed for the first time. The observations at 6 p. m., midnight and 6 a. m. are given only because I thought it of some interest to show how small the radiation into space of this instrument is; the records are only little lower than those of the atmospheric temperature for the same hours.

2. *Results of meteorological observations.* Table 13 shows the temperature of the soil during this year for different depths. Tables 15 and 16, though not relating to the year 1886 are added because the daily variation of the cloudiness at Batavia assumes peculiar features as has been pointed out by M^R. LIZNAR. Table 16 has been partly reprinted from volume VI because in that volume, in stead of the deviations of the barometric height from the average value for the same months, the annual variation has been given by mistake.

3. The *Results of magnetical observations* have been deduced and printed in conformity with the plan adopted in volume VII. To these results have been added the Tables 52—57, which show the daily variation of the three magnetic elements when disturbances are rejected for the years 1884 and 1885; from those Tables it is evident that the difference between this variation (Sabine's Solar-diurnal-inequality) and the diurnal variation deduced from all observations is very small. These Tables have been calculated by rejecting from the Tables C all differences corresponding with deviations recorded in Tables D, larger than the adopted separating value.

They have been given here because the large amount of work which they require prevented their publication in volume VII.

In Table 58 the diurnal variation of Declination and Horizontal Force for six months has been given, deduced from hourly observations, of the new set of magnetometers of WILD's pattern, made by D^R. EDELMANN of MUNICH; the variations agree well with those calculated from the records of the magnetograph.

The diurnal variation of the vertical Force however shows large discrepancies with those obtained by the magnetograph, which I am still unable to explain. This disagreement can scarcely be ascribed to differences of temperature, the magnetometer rooms showing very constant temperatures as may be proved by the Tables 59 and 40.

4. As was done in volume VI some special investigations have been printed in this volume: into the influence of the moon upon the cloudiness of the sky and magnetic declination, the twenty-six-daily period as deduced from barometric and magnetical observations and absolute determinations of inclination made by means of an *Erd-inductor*.

BATAVIA, September 1887.

VAN DER STOK.

METEOROLOGICAL OBSERVATIONS.

BATAVIA.

1886.

BAROMETRIC PRESSURE.

BAROMETER AT 0°C. = 750 MILLIMETERS + THE NUMBERS IN THE TABLE.

Mean Batavia Time.	1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—	
JANUARY.	1	9.99	9.42	9.08	9.00	8.85	9.58	9.98	10.25	10.44	10.19	9.80	9.33	—
	2	9.33	8.93	8.75	8.95	8.73	9.29	9.80	9.93	10.55	10.84	10.53	10.00	—
	3	9.71	9.25	8.91	8.87	8.88	9.26	9.74	10.25	10.59	10.51	10.04	9.37	—
	4	10.76	10.28	9.90	9.83	9.83	10.34	11.00	11.51	11.60	11.66	11.33	10.94	—
	5	10.55	10.11	9.73	9.73	9.88	10.39	10.99	11.10	11.41	11.25	10.77	10.05	—
	6	10.00	9.66	9.35	9.06	9.18	9.53	10.08	10.38	10.46	10.38	10.25	9.65	—
	7	9.38	9.38	8.93	9.18	9.46	9.83	10.34	10.65	10.82	10.83	10.72	10.52	—
	8	9.99	9.58	9.28	9.53	9.65	10.15	10.84	11.19	11.51	11.36	10.99	10.74	—
	9	10.75	10.31	10.01	9.86	9.94	10.65	11.26	11.20	11.52	11.48	11.30	11.27	—
	10	10.40	9.93	9.69	9.37	9.65	10.01	10.51	10.73	10.69	10.45	9.99	9.51	—
	11	9.35	8.82	8.49	8.50	8.60	9.06	9.99	10.31	10.32	10.40	10.03	9.71	—
	12	9.15	8.86	8.72	8.55	8.82	9.22	9.80	9.93	10.12	10.31	10.26	9.77	—
	13	9.79	9.47	9.32	9.32	9.54	10.00	10.89	11.30	11.54	11.27	10.98	10.74	—
	14	10.33	10.00	9.78	9.25	9.25	9.64	10.10	10.50	10.75	10.70	10.52	9.97	—
	15	8.91	8.64	8.44	8.19	8.19	8.50	9.00	9.29	9.27	9.08	8.73	8.42	—
	16	8.29	8.01	7.66	7.65	7.84	8.39	8.98	9.41	9.75	9.78	9.33	9.09	—
	17	9.29	8.86	8.31	7.86	8.72	9.07	9.76	10.03	10.67	10.70	10.33	9.91	—
	18	9.96	9.48	8.95	8.96	9.13	9.43	9.88	10.20	10.60	10.62	10.19	9.52	—
	19	9.22	8.69	8.15	8.12	8.14	8.21	8.96	9.40	9.78	9.58	9.23	8.78	—
	20	8.65	7.91	7.42	7.03	7.25	7.67	8.25	8.68	8.72	8.65	8.58	8.48	—
	21	7.96	7.76	7.12	7.20	7.32	7.59	7.99	8.31	8.56	8.70	8.49	8.31	—
	22	8.29	7.91	7.56	7.27	7.47	7.76	8.01	8.45	8.55	8.55	8.69	8.49	—
	23	7.14	6.89	6.76	6.62	6.92	7.49	7.91	8.31	8.90	8.79	8.74	8.15	—
	24	7.76	7.02	6.90	6.42	6.54	6.81	7.52	7.92	8.02	7.90	7.73	7.18	—
	25	7.66	7.03	6.69	6.66	6.52	7.09	7.74	8.57	8.96	8.85	8.39	7.73	—
	26	7.87	7.61	7.35	7.19	7.31	7.53	7.95	8.53	8.60	8.25	7.94	7.46	—
	27	7.08	6.65	6.29	6.05	6.26	6.46	6.71	7.14	7.54	7.60	7.48	7.02	—
	28	7.31	6.87	6.67	6.54	6.80	7.13	7.73	8.17	8.77	8.69	8.53	8.09	—
	29	8.35	8.19	7.96	7.84	7.55	8.07	8.67	9.31	9.39	9.49	9.08	8.66	—
	30	8.32	7.70	7.01	6.77	6.80	7.62	8.10	8.62	8.87	8.71	8.40	7.98	—
	31	7.80	7.29	6.90	6.34	6.45	6.46	6.82	7.45	7.95	8.06	7.85	7.62	—
Hourly Means.	9.01	8.60	8.26	8.12	8.24	8.65	9.20	9.58	9.85	9.79	9.52	9.11	—	
Mean Batavia Time.	1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.	
JANUARY.	1	8.70	8.10	7.47	7.95	8.10	8.17	8.61	9.23	9.63	9.75	9.71	9.38	9.20
	2	9.36	8.87	7.72	7.76	7.95	8.60	9.40	9.81	10.34	10.66	10.58	10.03	9.45
	3	8.80	7.87	7.57	7.38	7.71	8.06	8.75	9.82	10.35	10.44	10.65	10.83	9.32
	4	10.38	9.77	9.38	9.02	9.38	10.03	10.69	11.42	11.98	11.88	11.66	11.24	10.66
	5	9.37	8.82	8.63	8.53	8.76	9.07	9.69	9.78	10.25	10.59	10.65	10.45	10.02
	6	8.94	8.17	7.47	7.48	7.57	8.11	8.74	9.54	9.94	9.99	10.03	9.91	9.33
	7	9.79	9.23	8.80	8.60	8.54	9.14	9.82	10.38	10.67	10.85	10.88	10.60	9.89
	8	9.97	10.01	9.29	9.20	9.17	9.37	9.80	10.38	10.62	10.74	10.83	10.80	10.21
	9	10.70	9.55	8.86	8.59	8.63	9.14	9.60	10.03	10.65	10.78	10.74	10.72	10.31
	10	9.02	8.26	7.44	7.54	7.76	8.37	8.95	9.54	9.93	10.04	9.99	9.78	9.48
	11	9.06	8.46	7.29	6.87	6.93	7.39	8.42	9.08	9.43	9.68	9.48	9.52	8.97
	12	9.22	8.77	8.19	7.59	7.57	8.23	9.02	9.73	10.48	10.72	10.75	10.14	9.33
	13	9.79	8.78	8.14	7.88	8.23	8.40	9.00	9.58	10.39	10.78	10.84	10.45	9.85
	14	8.99	8.43	7.67	7.57	7.81	8.70	9.00	9.11	9.40	9.29	9.15	9.04	9.37
	15	7.63	6.68	5.68	5.87	6.44	7.41	7.57	8.09	8.96	9.33	8.89	8.69	8.16
	16	8.85	7.95	7.66	7.64	7.69	8.00	8.53	9.16	9.97	10.33	10.19	9.77	8.75
	17	8.93	8.07	7.59	8.23	8.61	9.18	9.63	9.95	10.24	10.60	10.55	10.51	9.40
	18	8.81	8.07	7.47	7.28	7.29	7.82	8.38	9.07	9.29	9.69	9.69	9.37	9.13
	19	8.08	7.03	6.42	6.33	6.82	7.67	8.58	8.73	9.04	9.14	9.32	9.09	8.44
	20	7.94	7.29	6.39	6.14	6.26	6.78	7.33	7.58	8.24	8.65	8.74	8.16	7.80
	21	8.18	7.08	6.41	5.86	6.27	6.62	7.23	8.01	8.61	8.74	8.91	8.85	7.75
	22	7.58	6.76	5.98	5.28	5.87	6.43	7.23	7.73	8.08	7.94	7.98	7.57	7.56
	23	7.59	7.12	6.26	6.27	6.41	7.03	7.74	8.08	8.26	8.28	8.20	8.09	7.58
	24	6.39	5.88	5.48	5.32	5.42	5.98	6.73	7.52	7.88	8.23	8.18	7.89	7.03
	25	7.53	6.71	5.96	5.86	6.18	6.53	7.28	8.01	8.63	9.04	8.66	8.20	7.52
	26	6.89	6.23	5.80	5.28	5.58	6.41	6.96	7.54	7.97	8.05	7.64	7.60	7.31
	27	6.56	6.01	5.68	5.98	6.23	6.86	7.35	7.70	8.02	8.32	8.12	7.84	6.96
	28	7.29	6.87	6.48	6.45	6.42	6.78	7.32	8.20	8.73	9.01	8.93	8.64	7.60
	29	7.92	7.05	6.32	6.27	6.60	7.33	7.91	8.28	8.64	9.23	9.25	8.80	8.17
	30	6.89	6.27	6.20	5.95	6.05	6.75	7.21	7.99	8.41	8.69	8.65	7.96	7.58
	31	6.68	6.62	6.88	6.68	6.76	6.85	6.91	7.29	8.02	8.83	8.75	8.16	7.31
Hourly Means.	8.45	7.77	7.18	7.05	7.26	7.78	8.37	8.91	9.39	9.62	9.57	9.30	8.69	

STANDARD THERMOMETER.

Mean Batavia time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	---
JANUARY.	1	74.8	74.4	74.2	74.0	73.8	73.8	75.0	76.0	78.8	77.6	80.2	81.5	—
	2	74.1	74.0	73.6	73.6	73.0	73.0	74.0	75.0	75.5	75.9	75.9	76.5	—
	3	74.3	74.1	73.5	73.3	73.5	73.3	75.0	76.1	78.1	80.0	82.0	83.0	—
	4	74.0	73.7	73.2	73.1	73.1	73.0	73.3	74.3	75.2	76.0	78.8	79.3	—
	5	73.9	73.9	73.8	73.8	74.0	73.9	75.1	76.0	78.0	80.2	81.6	82.7	—
	6	74.4	74.0	73.6	72.8	72.8	73.5	73.8	74.5	76.1	78.7	78.0	80.1	—
	7	75.6	75.3	75.3	75.4	75.0	74.6	75.9	78.2	80.8	82.6	83.5	83.2	—
	8	74.9	74.3	74.0	73.2	73.0	72.7	73.0	74.5	77.2	80.5	83.0	83.3	—
	9	75.9	75.9	75.9	75.5	75.2	75.0	75.6	78.2	80.2	80.0	79.2	76.2	—
	10	75.9	75.8	75.3	75.1	75.1	75.0	76.0	78.6	81.0	82.6	84.8	85.0	—
	11	76.0	75.6	75.6	75.2	75.5	75.1	75.5	77.2	80.0	82.0	83.2	83.5	—
	12	76.6	76.2	75.9	75.4	75.0	74.7	76.0	79.3	81.5	84.0	84.2	84.4	—
	13	77.0	76.6	76.0	75.2	74.4	74.0	74.0	75.0	76.2	77.1	77.6	78.6	—
	14	75.3	75.1	74.3	74.3	74.0	73.5	74.4	77.6	81.1	83.0	83.2	82.7	—
	15	76.5	76.5	76.6	76.5	76.5	76.2	76.4	78.0	79.8	82.2	84.1	83.9	—
	16	76.7	77.0	76.4	76.0	76.3	74.0	74.0	74.8	77.8	79.0	81.0	81.5	—
	17	76.5	76.0	75.6	74.8	74.6	74.1	75.0	77.3	79.0	81.3	83.0	83.3	—
	18	75.3	75.3	75.0	74.8	74.4	74.6	74.9	77.0	79.8	82.5	84.2	85.2	—
	19	76.0	75.5	75.3	75.0	74.7	74.4	75.1	78.0	80.8	82.9	84.8	85.9	—
	20	74.3	74.2	74.0	74.0	73.5	73.1	74.0	76.9	80.5	83.2	84.9	83.3	—
	21	76.2	76.0	76.0	75.7	75.3	75.5	76.0	77.1	78.4	80.2	81.8	81.0	—
	22	76.5	76.3	76.0	75.8	75.5	75.0	76.0	79.0	81.6	84.1	84.1	85.0	—
	23	76.7	76.3	76.0	75.8	75.3	75.1	75.7	78.0	81.3	84.3	82.5	83.9	—
	24	76.0	75.5	75.3	74.8	74.4	74.0	74.8	77.9	81.0	83.4	84.4	85.8	—
	25	78.3	78.3	78.0	77.2	77.1	77.2	77.9	77.5	76.3	77.7	81.0	83.9	—
	26	76.0	75.5	75.0	74.5	74.1	73.9	74.1	76.0	79.5	82.5	83.3	85.0	—
	27	77.5	77.0	76.8	76.6	76.6	76.8	77.0	79.0	81.6	84.0	84.4	86.4	—
	28	75.3	75.1	75.3	74.9	74.6	74.5	74.6	76.5	79.0	81.7	83.1	83.0	—
	29	77.6	76.5	75.7	75.7	75.4	75.4	75.9	77.7	81.1	82.8	83.5	85.2	—
	30	76.8	76.2	76.0	75.6	75.3	74.9	75.1	78.0	80.9	83.4	85.8	84.9	—
	31	77.5	77.5	76.9	76.1	76.1	75.5	77.0	79.0	81.0	83.1	82.2	83.0	—
Hourly Means.		75.88	75.60	75.29	74.96	74.75	74.49	75.16	77.04	79.33	81.24	82.36	82.91	—
Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
JANUARY.	1	82.5	82.0	81.6	76.5	75.0	75.4	75.5	75.3	75.0	74.8	74.7	74.9	76.55
	2	76.8	76.8	76.8	77.0	77.2	77.6	76.8	76.4	75.9	75.4	75.4	74.7	75.45
	3	82.2	84.8	81.6	82.2	78.7	79.3	78.0	77.2	77.0	76.2	76.0	74.7	77.67
	4	79.5	78.6	78.5	79.1	79.6	78.5	78.0	77.6	74.8	74.5	74.5	74.3	76.02
	5	84.7	81.9	78.2	77.5	77.3	77.0	76.1	76.2	76.5	76.2	76.2	75.4	77.09
	6	82.7	83.0	83.2	82.3	81.0	80.1	78.5	77.3	77.1	76.3	75.6	76.0	77.31
	7	83.9	80.0	81.2	81.4	83.0	81.2	77.9	77.4	77.0	76.4	75.7	75.4	78.58
	8	83.0	76.4	78.2	80.0	80.6	80.4	79.0	78.0	77.4	76.7	76.1	75.9	77.30
	9	77.0	78.0	79.0	80.4	81.0	80.2	79.0	78.6	78.2	78.0	77.0	76.5	77.74
	10	82.7	84.7	84.1	83.8	80.8	78.9	77.5	77.2	77.0	76.6	76.5	76.0	79.00
	11	85.8	86.4	86.0	85.2	84.5	82.6	81.8	80.0	79.2	78.3	77.3	77.0	79.94
	12	84.4	84.7	83.5	83.2	82.9	81.7	81.0	80.0	79.3	78.4	78.0	77.5	79.91
	13	79.4	80.3	81.0	81.4	81.1	80.5	78.5	77.8	77.2	76.7	76.4	75.9	77.41
	14	84.6	84.0	83.1	83.5	83.0	82.0	80.8	79.5	79.0	78.1	77.2	76.7	79.17
	15	85.2	85.0	84.8	83.8	82.8	82.4	81.5	79.5	78.6	77.5	77.5	77.0	79.95
	16	80.4	80.4	79.7	80.6	81.0	80.5	79.6	79.2	78.8	78.2	77.4	77.0	78.22
	17	83.2	80.8	81.2	80.2	80.0	78.0	76.2	76.0	76.0	76.0	75.8	75.5	77.89
	18	86.6	86.1	84.0	84.3	83.5	82.5	81.4	80.0	79.0	77.7	77.2	76.4	79.65
	19	85.6	85.5	85.7	84.0	84.0	83.5	75.3	76.0	74.9	74.6	75.0	74.6	79.05
	20	83.0	83.0	83.4	82.7	82.9	82.1	81.0	79.5	77.5	76.6	76.0	76.2	78.74
	21	80.0	82.8	83.2	82.5	82.3	81.2	80.3	79.2	78.4	77.9	77.4	76.9	78.80
	22	85.2	85.2	85.0	84.2	83.5	82.7	81.0	79.9	78.8	77.8	77.4	77.0	80.11
	23	86.0	84.0	83.3	82.6	82.0	82.0	80.2	79.0	78.2	77.3	76.7	76.2	79.52
	24	85.7	86.6	86.1	86.0	84.5	83.6	82.3	81.2	80.2	79.3	79.2	79.0	80.46
	25	83.0	82.8	82.3	82.2	81.7	80.5	80.0	79.7	79.5	78.5	77.8	76.8	79.38
	26	86.0	86.0	86.0	85.2	83.5	83.0	82.1	81.9	81.1	79.5	78.3	78.1	80.00
	27	85.9	85.0	84.0	82.7	79.3	76.2	76.2	76.0	76.0	75.7	75.7	75.5	79.26
	28	84.0	82.0	80.3	82.0	82.6	82.0	80.8	80.0	79.0	78.9	78.2	78.0	78.98
	29	86.4	86.2	86.0	85.3	85.5	82.5	81.2	80.0	79.0	78.2	78.0	77.3	80.34
	30	86.0	87.6	83.0	77.7	78.2	79.0	78.5	78.0	78.0	77.7	77.5	77.4	79.23
	31	84.9	84.0	78.4	76.4	75.8	75.2	75.2	74.9	74.3	74.3	74.1	73.9	77.76
Hourly Means.		83.43	83.05	82.34	81.80	81.25	80.40	79.07	78.34	77.67	77.05	76.64	76.25	78.60

RELATIVE HUMIDITY OF THE AIR.

SATURATION = 1000.

Mean Batavia Time.		1 A.M.	2	3	4	5	6	7	8	9	10	11	12	—
JANUARY.	1	965	973	965	965	973	973	974	957	901	917	834	777	—
	2	965	965	947	947	955	964	965	956	957	940	957	957	—
	3	921	930	947	956	947	956	930	923	869	810	764	732	—
	4	956	965	973	973	973	973	965	956	922	899	854	839	—
	5	956	947	956	956	956	956	947	899	861	825	770	773	—
	6	956	939	947	929	938	930	956	956	915	869	893	841	—
	7	856	864	864	864	880	897	889	830	789	751	719	753	—
	8	939	947	956	955	937	937	929	896	827	760	651	672	—
	9	948	957	966	966	974	974	974	893	842	872	902	932	—
	10	966	966	957	966	966	966	957	885	813	766	709	731	—
	11	932	948	948	966	957	948	957	925	834	772	760	754	—
	12	907	940	940	966	974	966	948	894	858	755	707	715	—
	13	932	940	957	948	1000	973	973	966	957	924	892	854	—
	14	957	966	965	965	965	956	939	892	820	712	768	794	—
	15	940	940	949	949	948	948	932	901	855	737	721	749	—
	16	932	932	948	940	957	930	956	956	933	886	813	829	—
	17	940	957	974	974	965	956	939	867	870	827	801	802	—
	18	974	983	966	965	973	965	966	891	825	744	700	671	—
	19	932	931	940	947	947	956	947	893	843	739	710	700	—
	20	930	939	938	930	938	937	912	883	834	754	678	740	—
	21	957	966	957	940	957	966	966	958	933	864	807	835	—
	22	916	924	931	923	940	947	966	885	783	714	700	696	—
	23	924	924	931	940	948	947	940	861	756	736	759	727	—
	24	932	940	940	947	947	947	922	861	798	740	682	662	—
	25	918	918	901	917	925	933	942	941	957	942	873	749	—
	26	899	915	922	922	930	930	939	899	833	716	747	691	—
	27	917	941	932	932	948	957	966	870	814	700	716	670	—
	28	957	947	948	956	965	965	965	932	863	807	767	732	—
	29	933	906	940	931	939	948	940	892	791	752	748	725	—
	30	924	924	931	940	948	947	966	884	775	685	624	697	—
	31	836	836	851	857	857	881	859	831	776	753	779	747	—
Hourly Means.		933	938	942	943	949	949	946	904	852	796	768	760	—
Mean Batavia Time.		1 P.M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
JANUARY.	1	737	742	770	883	939	948	940	948	947	956	947	947	912
	2	932	932	932	924	900	884	924	890	906	922	898	922	935
	3	786	716	785	779	933	951	942	917	892	932	932	930	883
	4	824	822	838	839	809	807	821	836	879	904	921	947	896
	5	683	778	893	908	925	900	923	915	899	915	915	915	890
	6	738	711	718	779	769	825	815	812	812	850	856	849	858
	7	721	824	843	844	788	827	917	949	916	906	931	939	848
	8	732	915	908	871	826	825	870	917	917	932	948	940	875
	9	941	908	823	767	790	825	894	902	933	933	932	941	908
	10	752	709	707	741	709	770	828	875	900	924	924	932	851
	11	668	656	675	704	716	773	799	864	870	893	917	916	840
	12	722	716	740	718	724	777	812	856	878	901	908	925	844
	13	863	841	812	798	797	834	901	917	925	911	940	948	910
	14	730	756	767	754	753	778	865	886	886	917	925	910	861
	15	725	724	690	734	780	793	836	863	885	908	933	932	849
	16	856	856	894	826	835	856	910	926	918	933	933	949	904
	17	760	819	805	841	864	885	932	940	948	957	957	966	898
	18	662	699	754	736	754	816	866	825	839	884	907	924	845
	19	712	686	719	741	721	705	889	906	897	922	922	922	843
	20	739	781	740	766	766	793	843	848	892	932	957	957	851
	21	856	745	760	779	758	776	849	878	901	901	907	924	881
	22	678	672	665	688	761	809	827	848	878	908	925	932	830
	23	700	707	768	773	822	808	880	886	901	917	924	924	850
	24	720	671	649	668	709	748	824	792	775	802	848	863	808
	25	781	774	779	764	806	834	871	894	910	893	925	924	878
	26	642	649	636	652	712	745	800	859	850	870	877	901	814
	27	680	709	741	787	855	932	932	931	948	948	957	957	864
	28	735	764	849	778	766	793	850	887	918	926	933	942	873
	29	669	668	687	685	699	793	843	864	847	862	869	892	826
	30	691	655	717	917	933	926	869	836	829	844	836	852	840
	31	670	713	853	850	873	847	855	888	913	930	913	912	837
Hourly means.		745	752	772	784	800	825	869	882	891	908	917	925	865

DIRECTION OF THE WIND.

Mean Batavia Time.	1 A.M.	2	3	4	5	6	7	8	9	10	11	12
JANUARY.	1	C	C	C	C	W	NNW	NNW	NW	NW	NW	NNW
	2	NW	NW	NW	NW	C	NW	NW	W	WNW	NW	NW
	3	WSW	C	C	C	W	W	WSW	WSW	W	NW	NW
	4	NW	NW	WNW	WSW	WSW	WSW	WSW	WSW	W	WNW	NW
	5	C	C	NNW	NNW	NNW	NNW	NNW	NNW	WNW	WNW	NW
	6	W	W	W	W	W	W	W	W	WSW	WSW	W
	7	WSW	W	WSW	WSW	W	WSW	WSW	W	WSW	NW	WNW
	8	C	C	C	C	C	C	C	C	NW	NW	NNE
	9	C	N	N	N	N	N	N	N	NNW	N	WNW
	10	C	C	C	N	N	N	N	N	ENE	ENE	NE
	11	C	C	S	C	C	S	C	SSW	WSW	N	N
	12	N	C	C	N	N	N	NNE	ENE	NE	N	N
	13	NNW	NNW	N	NW	NW	NW	WSW	C	W	W	W
	14	C	C	NW	NW	NW	NW	WNW	SW	NW	N	NNW
	15	C	C	C	NNW	NNW	NNW	NNW	NNW	NNW	NNW	N
	16	W	C	NW	NW	NW	E	C	C	NNE	NW	NNW
	17	N	C	C	N	C	C	C	N	N	N	NNE
	18	C	NE	NE	C	C	C	NE	NE	NE	ENE	ENE
	19	C	C	C	C	C	SSE	SSE	C	SSE	E	ENE
	20	SSW	SSW	SSW	C	SSW	C	SSW	C	SE	SE	ENE
	21	C	C	C	C	C	C	C	SSW	WSW	WSW	NNE
	22	N	N	C	C	C	C	N	N	N	NE	NNE
	23	C	C	C	SW	SW	C	SW	SW	SW	E	NNE
	24	C	N	C	C	C	N	N	NNW	NNW	NW	N
	25	C	N	N	N	N	N	NE	ESE	SE	NNE	NNW
	26	NNW	NNW	NNW	C	NNW	NNW	NNW	NNW	NNW	NW	N
	27	W	C	W	W	C	C	W	C	W	WNW	NNW
	28	C	C	C	C	C	C	SSW	SSW	SSW	SSW	N
	29	NW	NW	NW	C	NW	NW	NW	NW	WNW	WNW	WNW
	30	C	C	C	C	C	SSW	SW	SW	SW	SW	N
	31	W	WSW	W	NW	WSW	WSW	WSW	WSW	WSW	WNW	W
Mean Batavia Time.	1 P.M.	2	3	4	5	6	7	8	9	10	11	12
JANUARY.	1	NNW	N	NNW	NNW	NW	NW	NW	C	C	NW	NW
	2	NW	WNW	WNW	WNW	WNW	NW	NW	NW	NW	NW	W
	3	NNW	NNW	N	N	N	N	N	NNW	NNW	NNW	NW
	4	W	W	W	W	W	WNW	WNW	NNW	C	C	C
	5	NW	NNW	W	W	WNW	C	WNW	WNW	WNW	WNW	W
	6	W	NW	WNW	W	WNW	WNW	W	WSW	C	C	WSW
	7	WNW	NNW	NW	W	W	W	C	NW	C	C	C
	8	N	NNW	N	N	N	N	C	N	C	C	C
	9	NW	NW	N	N	N	N	C	C	C	C	C
	10	N	NE	N	N	S	SSW	SSW	C	C	C	C
	11	NW	NNW	N	NNE	N	N	N	C	C	C	N
	12	N	NNE	NNE	N	N	N	NNW	C	C	C	C
	13	W	WNW	WNW	NW	NW	C	C	C	C	C	C
	14	NNW	NNW	N	NNW	NNW	NNW	NNW	NNW	NNW	C	C
	15	N	N	N	N	N	N	NNW	NNW	WNW	WNW	WNW
	16	N	NNW	NNW	N	N	N	N	N	C	C	N
	17	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NE	C	C	C
	18	ENE	NE	NE	NNE	NNE	C	NNE	SSE	C	C	C
	19	NNE	NNE	NNE	NNE	NE	NE	SSW	S	S	SSW	SSW
	20	NNW	NW	NW	NNW	N	N	C	C	N	SSW	SSW
	21	NNE	NNE	NE	NNE	N	N	N	N	C	N	N
	22	NNE	NNE	NNE	N	N	N	SW	SW	C	C	C
	23	N	NNW	N	N	N	N	N	N	N	N	N
	24	N	NE	NNE	NNE	N	N	N	C	C	C	C
	25	NNE	N	NNE	NNE	NNE	N	C	C	C	N	N
	26	NNE	NNE	N	N	N	N	C	NW	W	W	W
	27	N	N	N	W	WSW	SSW	SSW	SSW	C	C	SSW
	28	NNW	NNE	N	NW	NW	NW	C	C	C	NW	C
	29	NW	NNW	NNW	W	W	SSW	SSW	SSW	C	C	C
	30	N	NNE	WNW	NNW	C	NNW	NW	WSW	WSW	WSW	WSW
	31	W	WNW	WNW	W	W	WSW	WSW	C	C	WSW	WSW

VELOCITY OF THE WIND IN KILOMETERS PER HOUR.

Mean Batavia Time.	1 A.M.	2	3	4	5	6	7	8	9	10	11	12	—	
JANUARY.	1	0.0	0.0	0.0	0.0	0.0	1.6	0.8	0.8	4.0	4.8	11.3	13.7	—
	2	4.8	5.6	2.4	0.8	0.0	0.8	2.4	3.2	2.4	2.4	3.2	3.2	—
	3	1.6	0.0	0.0	0.0	0.8	1.6	3.2	3.2	4.0	7.2	8.0	8.0	—
	4	1.6	3.2	3.2	5.6	4.0	4.0	3.2	4.0	4.8	4.0	8.0	8.0	—
	5	0.0	0.0	0.8	0.8	0.8	0.8	3.2	7.2	7.2	9.7	8.9	8.9	—
	6	1.6	3.2	3.2	1.6	0.8	3.2	2.4	1.6	3.2	4.8	4.8	7.2	—
	7	3.2	4.0	1.6	1.6	2.4	0.8	1.6	6.4	6.4	7.2	10.5	10.5	—
	8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	4.0	7.2	12.9	—
	9	0.0	0.8	0.8	0.8	1.6	0.8	0.8	1.6	3.2	4.0	4.8	4.8	—
	10	0.0	0.0	0.0	1.6	0.8	0.8	1.6	1.6	4.0	5.6	7.2	11.3	—
	11	0.0	0.0	0.8	0.0	0.0	0.0	1.6	0.0	2.4	4.8	8.9	12.1	—
	12	0.8	0.0	0.0	0.8	1.6	1.6	3.2	5.6	6.4	8.0	10.5	12.9	—
	13	0.8	2.4	2.4	5.6	0.8	4.8	3.2	0.0	1.6	0.8	1.6	1.6	—
	14	0.0	0.0	1.6	1.6	1.6	1.6	3.2	5.6	4.8	3.2	4.8	9.7	—
	15	0.0	0.0	0.0	0.8	1.6	0.8	0.8	4.0	3.2	4.0	5.6	9.7	—
	16	2.4	0.0	0.8	0.8	4.8	1.6	0.0	0.0	4.0	4.0	4.8	6.4	—
	17	2.4	0.0	0.0	0.8	0.0	0.0	0.0	1.6	1.6	3.2	6.4	11.3	—
	18	0.0	0.8	0.8	0.0	0.0	0.0	1.6	0.8	2.4	5.6	6.4	8.0	—
	19	0.0	0.0	0.0	0.0	0.0	0.8	1.6	0.0	3.2	4.8	6.4	6.4	—
	20	1.6	0.8	0.8	0.0	0.8	0.0	1.6	0.0	0.8	2.4	8.9	10.5	—
	21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	3.2	3.2	2.4	7.2	—
	22	1.6	0.8	0.0	0.0	0.0	0.0	0.8	0.8	3.2	4.0	5.6	10.5	—
	23	0.0	0.0	0.0	0.8	0.8	0.0	2.4	3.2	4.8	4.8	4.0	7.2	—
	24	0.0	0.8	0.0	0.0	0.0	0.8	0.8	2.4	3.2	3.2	4.0	5.6	—
	25	0.0	0.8	0.8	0.8	0.8	3.2	4.8	8.0	1.6	5.6	4.8	9.7	—
	26	1.6	0.8	1.6	0.0	0.8	1.6	1.6	2.4	1.6	4.0	5.6	6.4	—
	27	1.6	0.0	1.6	0.8	0.0	0.0	0.8	0.0	2.4	4.8	6.4	11.3	—
	28	0.0	0.0	0.0	0.0	0.0	0.0	0.8	2.4	1.6	4.0	8.0	15.3	—
	29	4.0	2.4	1.6	0.0	0.8	0.8	1.6	1.6	3.2	4.8	4.8	7.2	—
	30	0.0	0.0	0.0	0.0	0.0	1.6	1.6	4.0	4.0	4.8	5.6	8.0	—
	31	4.8	5.6	4.8	6.4	4.0	2.4	4.0	5.6	5.6	8.0	8.0	8.0	—
Hourly Means.	1.11	1.03	0.95	1.03	0.95	1.16	1.78	2.53	3.38	4.70	6.37	8.82	—	
Mean Batavia Time.	1 P.M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.	
JANUARY.	1	15.3	13.7	8.0	5.6	0.8	0.8	0.8	0.8	0.0	0.0	0.8	0.8	3.52
	2	3.2	1.6	1.6	1.6	3.2	2.4	1.6	1.6	1.6	0.8	4.8	4.0	2.47
	3	8.9	11.3	10.5	6.4	3.2	0.8	0.8	1.6	2.4	2.4	5.6	7.2	4.11
	4	8.0	8.0	6.4	4.8	4.8	4.0	4.8	4.8	4.8	0.0	0.0	0.0	4.33
	5	8.9	9.7	4.8	2.4	1.6	0.0	0.8	0.8	2.4	1.6	3.2	0.8	3.55
	6	8.9	9.7	6.4	6.4	9.7	5.6	5.6	3.2	0.8	0.0	0.0	2.4	4.01
	7	8.0	8.0	4.8	4.0	4.0	2.4	0.0	0.8	0.0	0.0	0.0	0.0	3.68
	8	14.5	6.4	4.8	7.2	6.4	1.6	0.0	0.8	0.8	0.0	0.0	0.0	2.81
	9	0.8	1.6	3.2	3.2	2.4	1.6	0.0	0.0	0.0	0.8	0.0	0.0	1.57
	10	11.3	14.5	13.7	7.2	4.8	2.4	0.8	0.0	0.0	0.0	0.0	0.0	3.72
	11	11.3	11.3	9.7	8.0	8.9	4.8	0.8	0.8	0.0	0.0	1.6	1.6	3.73
	12	12.9	13.7	12.9	12.1	10.5	6.4	2.4	0.0	0.0	0.0	0.0	0.0	5.10
	13	1.6	2.4	3.2	3.2	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.60
	14	8.9	8.9	9.7	7.2	4.0	0.8	0.8	3.2	0.8	0.8	0.0	0.0	3.45
	15	12.9	13.7	12.1	12.1	7.2	1.6	1.6	4.8	4.0	1.6	0.8	1.6	4.35
	16	7.2	3.2	2.4	2.4	2.4	0.8	1.6	0.8	0.8	0.0	0.0	1.6	2.20
	17	14.5	9.7	7.2	1.6	1.6	3.2	1.6	3.2	0.8	0.0	0.0	0.0	2.95
	18	9.7	11.3	8.0	5.6	3.2	0.0	0.8	3.2	0.0	0.0	0.0	0.0	2.84
	19	10.5	12.9	12.9	12.1	10.5	9.7	9.7	4.0	4.8	3.2	0.8	0.8	4.80
	20	6.4	14.5	11.3	11.3	8.0	4.8	0.0	0.0	0.8	3.2	8.0	4.8	4.22
	21	8.9	10.5	9.7	6.4	6.4	1.6	0.8	1.6	3.2	0.0	0.8	1.6	2.85
	22	9.7	12.1	11.3	9.7	6.4	1.6	4.0	1.6	0.0	0.0	0.0	0.0	3.49
	23	12.9	12.1	10.5	4.8	3.2	0.8	2.4	0.8	0.8	1.6	1.6	2.4	3.41
	24	8.9	12.1	9.7	10.5	7.2	1.6	0.8	1.6	0.0	0.0	0.0	0.0	3.05
	25	11.3	11.3	9.7	6.4	5.6	1.6	0.0	0.0	0.0	2.4	2.4	4.8	4.02
	26	8.0	10.5	9.7	10.5	7.2	3.2	0.8	0.8	3.2	4.0	2.4	1.6	3.75
	27	12.1	13.7	10.5	6.4	8.0	11.3	6.4	3.2	0.0	0.0	0.0	0.8	4.25
	28	14.5	13.7	6.4	5.6	3.2	0.8	0.8	0.0	0.0	0.0	0.8	0.0	3.25
	29	8.0	10.5	8.9	6.4	4.8	4.8	1.6	2.4	0.8	0.0	0.0	0.0	3.38
	30	8.0	9.7	9.7	1.6	0.0	0.8	4.8	4.0	1.6	1.6	4.0	3.2	3.28
	31	11.3	13.7	12.1	8.9	9.7	7.2	1.6	0.8	0.0	0.0	0.8	0.8	5.59
Hourly Means.	9.59	10.19	8.45	6.50	5.20	2.87	1.89	1.65	1.11	0.77	1.24	1.32	3.52	

CLOUDS.														
CLEAR = 0. — OVERCAST = 10.														
Mean Batavia Time.	1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—	
JANUARY.	1	9	2	1	1	4	10	10	7	7	8	5	6	—
	2	10	10	10	10	10	10	10	9	10	10	10	10	—
	3	10	10	10	9	10	10	6	5	6	7	7	7	—
	4	10	10	10	10	10	10	10	10	10	10	9	10	—
	5	10	10	9	9	2	6	7	10	8	8	8	8	—
	6	10	10	10	9	7	10	10	10	9	9	10	10	—
	7	6	10	8	10	6	6	4	5	6	6	7	7	—
	8	3	2	2	3	2	4	9	7	7	5	6	9	—
	9	3	7	10	4	2	4	6	6	10	10	10	10	—
	10	5	3	6	6	6	8	1	2	2	3	3	4	—
	11	3	1	0	2	3	4	6	3	5	7	6	5	—
	12	5	4	6	4	5	6	4	5	7	8	7	6	—
	13	5	7	10	10	10	10	10	10	10	10	10	10	—
	14	4	2	2	1	0	1	1	1	2	4	8	8	—
	15	6	3	10	9	9	9	4	7	7	3	6	9	—
	16	10	10	10	10	10	10	10	10	9	9	9	9	—
	17	6	7	6	5	6	5	4	3	9	9	9	8	—
	18	9	9	5	7	7	4	4	4	5	8	6	4	—
	19	2	3	3	3	2	5	4	7	6	4	4	4	—
	20	2	3	2	5	3	6	1	2	2	5	7	8	—
	21	10	10	5	3	7	9	10	9	7	7	9	10	—
	22	8	10	7	6	6	6	1	1	2	3	6	3	—
	23	4	4	9	9	5	3	2	2	4	2	8	10	—
	24	1	1	2	1	2	2	1	0	1	4	5	5	—
	25	6	5	5	9	9	9	10	10	10	10	9	8	—
	26	4	3	4	3	4	5	7	7	7	6	7	7	—
	27	10	10	10	10	10	10	9	7	4	4	7	7	—
	28	6	7	5	5	7	8	6	6	6	7	8	6	—
	29	10	10	9	10	4	9	6	6	5	9	9	9	—
	30	6	6	5	5	5	6	3	2	2	1	3	7	—
	31	9	9	9	10	9	9	9	7	7	9	10	9	—
Hourly Means.	6.5	6.4	6.5	6.4	5.9	6.9	6.0	5.8	6.2	6.6	7.4	7.5	—	
Mean Batavia Time.	1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.	
JANUARY.	1	5	6	7	10	10	10	10	8	8	10	10	7.3	
	2	9	10	9	9	9	7	9	7	4	8	7	10	9.0
	3	8	9	8	8	10	10	10	10	10	10	10	10	8.8
	4	10	10	10	10	6	8	9	10	10	10	10	10	9.7
	5	9	10	10	10	10	9	6	10	10	10	10	10	8.7
	6	4	7	7	9	10	7	5	9	9	6	4	6	8.2
	7	7	10	7	7	6	7	10	4	3	2	2	2	6.2
	8	7	10	7	6	4	3	7	6	6	7	7	7	5.7
	9	10	6	8	9	6	5	6	7	3	1	1	1	6.0
	10	9	4	6	4	9	9	6	6	6	5	4	5	5.1
	11	3	1	1	1	1	1	3	5	6	3	2	2	3.1
	12	5	5	5	2	3	5	1	3	1	2	2	6	4.5
	13	10	10	10	9	9	9	7	7	9	9	7	5	8.9
	14	6	6	5	4	4	8	8	9	8	7	4	2	4.4
	15	4	3	3	6	9	10	8	10	10	10	10	10	7.3
	16	10	10	10	9	10	9	10	9	10	9	6	5	9.3
	17	7	7	7	10	9	10	10	8	9	8	6	9	7.4
	18	5	5	5	6	6	5	6	9	7	9	9	7	6.3
	19	4	2	2	1	2	4	10	9	6	4	2	2	4.0
	20	9	9	7	7	8	8	9	10	10	10	10	8	6.3
	21	9	6	7	6	7	8	10	8	10	10	8	9	8.1
	22	3	5	3	6	8	8	8	5	4	4	3	3	5.0
	23	9	9	9	10	9	8	6	7	7	7	6	7	6.5
	24	6	5	4	4	2	2	3	1	2	2	4	6	2.8
	25	10	9	9	9	8	9	7	10	7	7	6	6	8.2
	26	6	5	2	3	4	6	10	10	10	10	10	10	6.3
	27	6	9	9	9	10	10	10	10	10	10	8	9	8.7
	28	7	7	9	7	8	8	6	6	5	7	7	7	6.7
	29	7	9	6	4	4	6	8	8	9	9	8	5	7.5
	30	6	6	10	10	10	10	10	10	10	7	9	10	6.6
	31	8	9	10	10	10	10	10	10	10	10	10	10	9.3
Hourly Means.	7.0	7.1	6.8	6.9	7.1	7.4	7.7	7.8	7.4	7.1	6.5	6.7	6.8	

BAROMETRIC PRESSURE.

BAROMETER AT 0° C = 750 MILLIMETERS + THE NUMBERS IN THE TABLE.

Mean Batavia Time.		1 A.M.	2	3	4	5	6	7	8	9	10	11	12	—
F E B R U A R Y.	1	7.91	7.62	6.92	6.37	6.48	6.75	7.20	7.83	8.23	8.40	8.30	7.99	—
	2	8.19	7.75	7.46	6.97	7.47	7.74	8.22	8.87	9.05	8.70	8.40	7.89	—
	3	8.18	7.60	7.02	6.75	6.97	7.70	8.01	8.59	9.67	9.90	9.44	9.08	—
	4	7.91	7.52	7.20	6.81	6.97	7.45	8.22	8.90	9.58	9.54	9.19	8.66	—
	5	7.90	7.41	7.29	7.12	7.41	7.42	7.53	8.20	8.65	8.71	8.70	7.91	—
	6	8.04	7.96	7.81	7.97	7.86	8.82	9.17	9.40	9.56	9.66	9.39	8.73	—
	7	7.74	7.42	7.61	7.27	7.63	7.75	8.50	8.77	8.94	8.90	8.68	8.57	—
	8	9.11	8.82	8.52	8.38	8.60	8.95	9.15	9.53	9.88	9.84	9.59	9.46	—
	9	11.26	10.66	10.05	10.11	10.04	10.25	10.66	11.14	11.40	11.36	10.93	10.33	—
	10	9.58	9.15	8.98	9.03	9.08	9.13	9.52	10.15	10.29	10.29	9.70	9.00	—
	11	8.57	8.18	8.33	7.98	8.20	8.46	8.66	9.36	9.79	9.67	9.35	8.99	—
	12	8.73	8.21	8.27	8.33	8.33	8.83	9.45	9.99	10.14	10.07	9.78	9.35	—
	13	8.70	8.12	7.85	7.87	8.18	8.68	9.16	9.68	10.21	10.03	9.69	9.43	—
	14	8.12	8.00	7.82	7.75	7.96	8.42	8.87	9.17	9.65	9.89	9.93	9.16	—
	15	8.46	7.92	7.73	7.55	7.56	7.97	8.63	9.10	9.64	9.35	8.96	8.39	—
	16	8.65	7.95	7.63	7.63	7.93	8.18	8.82	9.15	9.40	9.47	9.24	8.80	—
	17	9.53	9.02	8.75	9.00	9.20	9.35	10.04	10.91	11.09	10.60	10.54	10.08	—
	18	9.53	9.16	8.88	8.65	8.52	8.85	9.36	10.08	10.53	10.63	10.39	9.73	—
	19	9.91	9.54	9.32	9.02	9.70	9.96	10.43	10.93	11.08	10.86	10.89	10.39	—
	20	10.70	10.16	9.98	9.74	9.21	9.37	9.71	10.35	10.70	10.73	10.62	10.05	—
	21	10.15	9.85	9.37	9.38	9.46	9.61	9.98	10.60	10.78	10.94	10.83	9.84	—
	22	9.93	9.38	9.10	8.96	9.28	9.53	9.99	10.59	10.71	10.85	10.60	10.12	—
	23	10.13	9.68	9.58	9.31	9.42	9.65	9.95	10.63	10.88	10.75	10.92	10.45	—
	24	10.59	10.26	9.80	9.60	9.66	9.93	10.43	10.98	11.16	11.12	11.19	10.57	—
	25	10.16	9.68	9.35	9.21	9.32	9.70	9.96	10.51	10.78	10.84	10.64	9.95	—
	26	9.80	9.44	8.87	8.62	8.98	9.17	9.65	9.91	10.27	10.28	9.86	9.54	—
	27	9.84	9.17	8.99	8.81	8.95	9.21	9.65	10.08	10.23	10.38	10.02	9.24	—
	28	9.43	8.90	8.40	8.14	8.40	8.71	9.16	9.86	10.04	9.69	9.19	8.65	—
Hourly Means.		9.17	8.73	8.46	8.30	8.46	8.77	9.22	9.76	10.08	10.05	9.82	9.30	—
Mean Batavia Time.		1 P.M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
F E B R U A R Y.	1	7.47	6.95	6.48	6.55	6.74	6.88	7.38	7.96	8.60	8.97	8.99	8.76	7.57
	2	7.21	6.49	5.89	5.54	5.67	5.91	6.65	7.59	8.28	8.81	8.93	8.30	7.58
	3	8.23	7.58	6.97	6.87	6.87	7.41	7.74	8.21	8.54	8.70	8.61	8.29	8.04
	4	7.99	7.38	6.93	6.43	6.52	6.85	7.21	7.74	8.16	8.29	8.42	8.35	7.84
	5	7.13	6.53	5.93	5.58	5.76	6.29	6.75	7.49	7.76	8.54	8.66	8.70	7.47
	6	8.06	7.33	6.58	6.33	6.35	6.69	7.59	7.75	8.07	8.30	8.32	8.15	8.08
	7	7.78	7.48	6.63	6.78	6.93	7.53	8.24	8.72	8.94	9.45	9.88	9.48	8.15
	8	9.54	9.23	8.66	8.31	8.46	9.26	9.64	10.00	10.67	11.34	11.65	11.50	9.50
	9	9.68	9.23	8.85	8.25	8.44	8.45	8.91	9.68	10.20	10.34	10.11	10.09	10.02
	10	8.19	7.25	6.89	6.70	6.83	7.35	7.94	8.26	9.04	9.26	9.37	8.92	8.75
	11	8.31	7.60	7.08	6.78	7.47	7.93	8.60	8.71	9.49	9.50	9.54	8.85	8.56
	12	8.64	8.04	7.62	7.47	7.59	7.92	8.60	8.89	9.40	9.54	9.59	9.24	8.83
	13	8.81	7.93	7.31	6.99	7.00	7.53	7.96	8.74	9.24	9.67	9.34	8.79	8.62
	14	8.60	7.77	7.10	6.70	6.70	7.09	7.62	8.21	9.00	9.40	9.32	8.88	8.38
	15	7.61	6.96	6.51	5.81	6.20	6.88	7.74	8.06	8.87	9.25	9.12	9.23	8.06
	16	8.10	7.43	6.72	6.28	6.47	7.30	8.19	8.83	9.64	10.24	9.72	9.85	8.40
	17	8.89	8.38	7.83	7.63	7.70	8.39	9.06	9.54	10.30	10.58	10.45	10.05	9.45
	18	9.03	8.31	7.39	6.90	7.43	8.55	8.85	9.12	9.89	10.49	10.35	10.06	9.20
	19	9.90	8.87	8.22	7.89	8.01	8.87	9.29	9.97	11.19	11.35	11.46	10.99	9.92
	20	9.73	8.89	8.53	8.03	8.15	8.69	9.47	9.84	10.34	10.93	10.60	10.35	9.79
	21	8.66	7.71	7.59	7.55	7.30	7.83	8.66	9.34	10.02	10.68	10.65	10.33	9.46
	22	9.48	8.70	8.21	8.06	8.18	8.49	9.02	9.93	10.58	10.78	10.80	10.76	9.67
	23	9.93	9.09	8.76	8.62	8.99	9.27	9.68	10.09	10.47	10.94	11.00	10.88	9.96
	24	9.71	8.82	8.38	8.23	8.79	9.32	9.94	10.00	10.65	11.18	11.10	10.81	10.09
	25	9.10	8.37	7.79	7.53	7.87	8.51	9.00	95.2	9.94	10.43	10.40	10.12	9.53
	26	9.23	8.69	8.10	7.47	7.37	7.62	8.80	9.74	10.55	10.75	10.77	10.48	9.33
	27	8.30	7.48	7.07	7.17	7.58	7.69	8.85	9.45	9.69	9.83	9.95	9.76	9.00
	28	7.62	6.90	6.90	6.90	7.37	7.92	8.53	9.12	9.74	10.00	10.27	10.39	8.76
Hourly Means.		8.60	7.91	7.39	7.12	7.31	7.80	8.43	8.95	9.55	9.91	9.91	9.66	8.86

STANDARD THERMOMETER.

Mean Batavia Time.		1 A.M.	2	3	4	5	6	7	8	9	10	11	12	—
FEBRUARY.	1	74.0	73.6	73.7	73.9	73.7	73.4	74.3	75.0	77.0	78.4	80.0	82.0	—
	2	76.7	76.5	76.3	76.0	75.6	75.6	76.0	78.5	81.0	81.5	83.5	84.7	—
	3	77.7	77.2	76.8	76.4	75.6	75.6	76.1	77.7	77.5	76.3	77.3	79.0	—
	4	77.2	76.9	76.2	76.0	75.8	75.1	75.6	76.7	78.2	80.0	81.5	81.9	—
	5	77.5	76.8	76.2	75.5	75.0	75.0	75.5	77.4	78.0	79.3	80.3	81.6	—
	6	77.3	76.8	76.8	76.5	76.2	76.0	75.3	74.3	75.2	77.1	80.1	81.1	—
	7	75.4	74.9	74.4	74.6	74.1	73.9	74.2	76.5	80.0	82.3	84.0	82.6	—
	8	74.8	74.8	74.5	74.4	74.4	74.3	74.3	75.3	78.0	80.4	82.1	81.9	—
	9	73.2	73.0	72.5	72.4	72.2	72.3	72.6	73.4	75.4	78.1	80.0	79.7	—
	10	74.0	73.5	73.5	73.5	73.5	73.2	73.7	75.1	78.0	76.7	80.8	81.8	—
	11	75.2	75.0	75.0	74.7	74.6	74.2	74.4	75.5	77.2	81.0	80.2	80.8	—
	12	74.3	75.0	74.9	74.9	74.7	74.5	75.0	76.3	78.0	80.1	80.6	83.1	—
	13	75.3	75.1	74.4	74.2	74.4	74.4	74.4	75.8	77.5	79.1	79.6	79.2	—
	14	75.5	75.2	75.0	74.8	74.5	74.5	73.8	75.2	74.0	74.2	74.7	76.2	—
	15	74.9	74.7	74.4	74.0	73.8	73.8	73.8	76.0	77.5	79.4	81.5	80.3	—
	16	73.9	73.5	73.7	74.0	74.0	74.5	75.0	76.0	77.6	79.2	80.3	81.8	—
	17	75.2	75.0	74.7	74.4	74.4	74.1	73.6	74.2	76.0	79.3	80.1	80.7	—
	18	75.5	75.1	74.8	74.0	73.5	73.3	74.0	75.8	76.8	80.1	77.8	79.7	—
	19	74.7	74.6	74.5	74.8	74.0	73.7	74.2	75.7	76.7	78.4	77.4	77.1	—
	20	74.0	73.5	73.3	73.3	73.2	73.2	73.4	74.9	77.0	79.4	80.4	81.5	—
	21	75.4	75.0	74.8	74.8	74.8	74.7	75.2	76.5	78.0	77.5	76.3	77.3	—
	22	76.6	76.5	76.2	76.0	75.8	75.6	75.5	76.0	76.5	77.3	77.8	78.4	—
	23	73.5	73.5	73.5	73.5	73.7	73.5	74.2	75.0	77.2	79.4	77.2	78.1	—
	24	74.8	74.5	74.5	74.2	73.8	73.5	73.6	76.0	78.9	81.0	82.2	82.4	—
	25	76.0	76.2	76.0	75.0	75.2	75.1	75.1	75.8	77.6	78.2	79.2	80.1	—
	26	76.0	75.6	75.6	75.4	74.6	74.4	75.2	78.6	81.0	82.0	83.9	83.2	—
	27	76.1	75.8	75.3	74.8	74.6	74.9	75.0	76.4	79.5	81.0	83.3	84.2	—
	28	75.9	75.9	76.1	75.9	75.7	75.5	75.8	76.7	77.6	79.7	81.8	83.4	—
Hourly Means.		75.38	75.13	74.91	74.71	74.48	74.35	74.60	75.94	77.60	79.16	80.14	80.85	
Mean Batavia Time.		1 P.M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
FEBRUARY.	1	82.2	81.4	80.9	81.8	80.8	80.2	79.6	78.5	77.9	77.7	77.5	76.9	77.68
	2	86.0	85.4	84.8	84.1	83.3	83.0	81.5	81.0	80.0	79.5	79.0	78.6	80.34
	3	79.4	80.5	80.6	80.6	80.4	80.0	79.4	78.6	78.5	78.5	78.0	78.0	78.15
	4	82.2	82.0	82.5	82.1	81.1	80.8	80.1	79.3	78.5	78.2	77.9	77.5	78.89
	5	84.0	84.2	84.6	84.1	83.5	81.2	80.5	80.2	79.7	79.3	78.6	78.0	79.42
	6	80.5	80.0	80.5	80.4	79.3	79.0	78.5	78.5	78.0	77.3	76.9	76.0	77.82
	7	80.8	81.5	82.0	80.2	81.8	81.0	77.0	76.0	75.5	75.3	75.0	75.0	77.83
	8	78.6	75.4	76.1	77.0	77.6	77.7	77.5	77.1	76.8	76.0	76.0	75.0	76.67
	9	82.1	78.9	76.1	78.9	79.2	79.0	76.8	76.0	75.6	75.3	74.7	74.3	75.90
	10	81.9	82.4	81.4	80.3	80.1	79.8	79.1	78.6	78.0	77.4	76.5	76.0	77.45
	11	81.5	83.2	83.6	83.1	82.2	79.0	77.3	76.9	76.5	76.2	75.9	75.3	77.85
	12	83.2	83.4	83.0	82.0	81.5	81.0	80.2	79.0	78.2	77.0	76.4	76.0	78.43
	13	79.6	80.2	81.0	81.0	80.5	80.4	79.4	79.0	78.5	78.0	77.3	76.5	77.70
	14	77.6	78.2	78.4	79.8	79.1	78.3	77.3	76.8	76.5	76.5	75.7	75.0	76.12
	15	82.4	80.8	80.3	81.2	81.2	80.5	75.0	74.8	74.6	74.6	74.4	74.2	77.00
	16	82.2	81.4	81.4	81.4	81.8	80.8	80.0	78.0	77.5	76.8	76.2	75.6	77.78
	17	82.5	82.7	81.6	81.0	81.0	78.0	77.0	77.0	77.0	76.6	76.5	75.9	77.44
	18	80.0	81.5	82.7	82.8	79.0	75.5	75.7	75.5	75.5	75.3	75.1	75.0	76.83
	19	76.2	77.8	79.2	79.9	79.6	79.0	77.6	77.2	75.0	74.6	74.2	74.5	76.28
	20	81.9	82.3	81.7	81.3	80.8	80.3	79.0	78.3	77.8	77.1	77.0	76.8	77.56
	21	78.3	79.9	80.3	81.0	80.7	79.9	78.4	77.8	77.6	76.8	76.6	76.6	77.26
	22	79.2	80.5	80.9	80.5	80.0	79.2	78.7	74.8	74.2	73.8	73.5	73.7	76.97
	23	78.2	80.1	80.3	80.1	79.7	79.3	78.0	77.4	76.6	76.2	76.0	75.2	76.64
	24	83.4	83.8	83.0	82.3	81.8	80.8	78.1	76.7	76.6	76.4	76.0	75.7	78.08
	25	81.9	82.7	82.2	82.0	80.9	80.4	79.3	78.7	78.2	77.7	77.2	76.5	78.22
	26	80.4	77.3	77.3	78.0	78.2	78.2	77.5	77.2	77.0	77.0	76.8	76.3	77.78
	27	84.0	85.0	83.0	82.0	79.8	78.8	78.3	77.8	77.1	76.4	76.0	75.9	78.54
	28	84.6	84.1	83.1	82.0	81.5	81.2	81.0	80.6	80.4	80.2	76.2	74.0	79.12
Hourly Means.		81.24	81.31	81.16	81.10	80.59	79.73	78.49	77.76	77.26	76.85	76.33	75.86	77.71

RELATIVE HUMIDITY OF THE AIR.
SATURATION = 1000.

Mean Batavia Time.	1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—	
FEBRUARY.	1	896	903	896	896	896	929	897	889	891	901	824	748	—
	2	916	924	932	948	948	948	940	854	783	776	726	670	—
	3	925	932	932	924	940	931	915	868	836	915	884	870	—
	4	916	916	924	923	899	905	898	866	837	825	813	771	—
	5	925	924	906	889	888	888	914	892	869	848	834	807	—
	6	859	875	875	882	873	849	799	888	872	834	817	754	—
	7	898	914	930	930	947	938	930	906	849	786	742	759	—
	8	956	956	965	965	956	965	947	939	876	834	807	814	—
	9	938	929	955	964	973	973	973	973	940	885	841	855	—
	10	938	956	956	965	965	973	965	966	901	940	880	799	—
	11	966	957	957	917	947	956	965	948	932	835	841	819	—
	12	947	930	947	947	956	956	939	948	868	825	819	712	—
	13	922	930	947	947	947	939	939	940	892	839	795	801	—
	14	940	948	939	947	947	947	956	974	930	921	879	890	—
	15	930	922	922	921	930	930	938	890	876	848	785	834	—
	16	965	938	929	912	903	888	983	991	966	885	855	790	—
	17	948	939	956	956	965	956	965	956	899	824	811	797	—
	18	957	957	947	965	956	965	965	940	949	864	942	855	—
	19	965	965	973	974	956	973	973	974	966	885	949	966	—
	20	965	965	965	973	965	965	973	939	924	878	842	814	—
	21	948	939	939	939	930	939	974	957	925	933	948	958	—
	22	949	948	948	948	948	948	948	931	940	941	958	933	—
	23	965	965	973	982	973	973	982	983	941	871	900	950	—
	24	956	965	965	973	965	965	973	931	863	820	801	773	—
	25	957	940	966	957	966	966	966	966	933	917	902	856	—
	26	957	957	948	957	947	947	931	877	872	836	795	808	—
	27	966	966	966	974	965	966	965	957	840	820	740	750	—
	28	940	940	957	948	915	914	923	891	860	824	785	733	—
Hourly Means.	940	939	943	945	942	943	944	930	894	861	840	817	—	

Mean Batavia Time.	1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.	
FEBRUARY.	1	744	770	775	757	775	803	832	869	901	900	907	907	854
	2	623	646	644	680	719	724	791	812	871	886	886	902	815
	3	816	804	782	819	826	848	870	885	885	885	901	893	879
	4	772	778	773	778	820	850	864	894	918	918	917	925	863
	5	735	735	708	749	768	791	804	818	848	855	831	837	836
	6	797	773	782	767	794	785	777	783	806	835	858	881	826
	7	813	777	793	753	778	799	916	931	923	931	947	956	869
	8	799	898	899	907	908	942	950	949	932	940	940	905	915
	9	737	747	923	870	855	894	940	948	966	966	956	947	915
	10	792	772	806	818	825	855	878	926	942	933	932	948	901
	11	770	753	748	739	772	909	932	924	948	948	931	914	890
	12	747	712	746	772	777	820	864	902	942	916	915	923	868
	13	802	759	768	768	788	788	863	870	893	917	916	924	871
	14	836	814	830	780	816	853	892	900	916	906	923	930	901
	15	729	782	781	783	776	826	888	930	956	956	965	965	878
	16	772	776	762	769	792	835	879	877	884	891	923	931	879
	17	772	765	799	820	827	908	941	949	949	948	948	957	898
	18	841	776	738	759	815	939	948	957	957	974	983	974	913
	19	966	958	878	848	870	894	933	941	947	956	965	965	943
	20	792	765	792	783	804	834	878	908	933	949	949	949	896
	21	908	879	848	842	819	848	901	925	933	916	932	949	918
	22	878	841	842	834	855	886	918	939	947	965	965	965	924
	23	918	871	841	833	879	909	908	933	911	957	940	940	930
	24	761	749	739	772	814	857	868	916	924	932	948	957	883
	25	807	759	778	764	789	849	886	902	926	933	941	940	899
	26	895	925	949	926	933	933	941	966	966	958	966	974	924
	27	742	725	782	823	848	854	869	844	875	899	906	915	873
	28	723	735	746	721	784	790	813	842	849	856	899	947	849
Hourly Means.	796	787	795	794	815	851	885	901	917	922	928	933	886	

DIRECTION OF THE WIND.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12
FEBRUARY.	1	WSW	WSW	WSW	W	C	W	W	W	WSW	WSW	NW	NW
	2	C	C	C	C	C	C	NNW	NNW	NW	NNW	NNW	NW
	3	C	C	C	C	C	NNW	NNW	NNW	W	WNW	WNW	WNW
	4	NW	NW	C	C	C	NW	NW	WNW	WNW	WNW	WNW	NW
	5	C	NNW	NNW	C	C	NNW	NNW	NW	NW	WNW	NW	NW
	6	WNW	WNW	WNW	WNW	WNW	WNW	W	W	WSW	WSW	W	WNW
	7	C	C	W	W	W	C	W	W	WNW	NW	NW	NW
	8	WNW	C	C	C	C	WNW	C	WNW	NW	WNW	NW	NNW
	9	W	W	WNW	WNW	C	C	WNW	C	WNW	NW	NW	WNW
	10	C	N	C	C	C	C	N	N	NW	NW	NNW	NNW
	11	C	N	N	N	N	N	N	C	N	NNW	NNW	NNW
	12	WNW	WNW	WNW	C	WNW	WNW	WNW	WNW	WNW	NW	NW	NW
	13	N	C	C	C	C	C	N	N	NW	NW	NNW	NW
	14	C	NW	C	NW	NW	NW	NNW	NW	NW	NW	NW	NW
	15	NW	NW	NW	NW	NW	NW	NW	C	NW	NNW	NW	NNE
	16	N	N	N	N	N	C	N	N	N	NNW	NNW	N
	17	NW	NW	NNW	NW	NW	NW	NW	NW	NW	NW	WNW	NW
	18	C	NNW	NNW	NNW	NNW	NNW	NNW	C	NNW	NW	NNW	WNW
	19	C	C	SSW	SSW	NNW	C	NNW	NNW	NNW	NW	NW	NW
	20	C	C	C	C	C	C	C	NNW	NNW	NNW	NNW	NNE
	21	N	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW
	22	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW
	23	W	C	C	W	W	W	W	W	W	NNW	NNW	NNW
	24	NNW	NNW	NNW	C	C	NNW	NNW	NW	NW	NW	NNW	N
	25	NW	NNW	NNW	NW	NW	NW	NW	NW	NW	NW	NW	NW
	26	C	N	N	N	N	N	N	NNE	ENE	ENE	NNE	N
	27	WNW	WNW	C	WNW	WNW	WNW	WNW	WNW	WNW	WNW	NNW	N
	28	SW	C	SW	SW	SW	WSW	W	W	WSW	W	WSW	N
Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12
FEBRUARY.	1	NW	N	N	N	NNW	NNW	NNW	C	C	C	C	C
	2	NW	NNW	NNW	N	NNW	NNW	NNW	NNW	C	NNW	C	C
	3	W	WNW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW
	4	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	C	C	C	C
	5	NW	NW	NW	NW	NW	WNW	WNW	WNW	WNW	WNW	WNW	WNW
	6	WNW	WNW	W	NW	WNW	WNW	WNW	WNW	W	W	W	C
	7	NW	WNW	NW	NNE	NNW	NNW	WNW	WNW	WNW	WNW	WNW	C
	8	WSW	WNW	WNW	W	W	WNW	C	WNW	WNW	WNW	WNW	W
	9	NW	SW	NW	N	N	N	N	C	C	C	N	C
	10	NNW	NNW	NNE	N	N	N	N	N	N	N	C	C
	11	NNW	NNW	NNW	NNW	NW	WNW	WNW	WNW	C	C	C	C
	12	NNW	NNW	NNW	N	N	N	C	N	N	N	N	N
	13	NW	NNW	NW	NNW	NNW	NNW	C	C	NNW	NNW	NNW	NW
	14	NW	NW	NNW	NW	NW	NW	NW	NW	NW	C	C	NW
	15	NNW	NNW	NNW	N	NNW	NNW	N	N	N	C	N	N
	16	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NW	NW	C	C	C
	17	NNW	NW	NNW	NNW	NNW	NNW	C	C	NNW	NNW	NNW	C
	18	NNW	N	NW	NNW	WSW	SSW	SSW	SSW	C	C	C	C
	19	N	N	N	N	N	N	N	N	NW	NNW	NNW	C
	20	N	N	N	N	N	N	C	C	C	C	C	N
	21	WNW	NW	NW	NW	NW	NW	C	NW	NW	NW	NW	C
	22	NW	NNW	N	N	N	C	N	WNW	WNW	WNW	W	W
	23	NNW	NNW	N	NNW	NNW	NNW	NNW	C	NNW	C	C	C
	24	NNW	NNW	NNW	NNW	NNW	NW	NW	C	C	C	NW	C
	25	NNW	NNW	NNW	NNW	N	N	C	C	N	N	N	C
	26	NNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	C	C	C	WNW
	27	NNW	N	NNW	NW	WSW	SW	SW	SW	SW	SW	SW	SW
	28	N	NE	NNE	N	N	N	NNE	NNE	NNE	NNE	WSW	WSW

VELOCITY OF THE WIND IN KILOMETERS PER HOUR.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
FEBRUARY.	1	0.8	1.6	2.4	2.4	0.0	1.6	3.2	3.2	3.2	5.6	13.7	12.1	—
	2	0.0	0.0	0.0	0.0	0.0	0.0	0.8	4.8	6.4	8.0	11.3	12.1	—
	3	0.0	0.0	0.0	0.0	0.0	0.8	1.6	4.0	10.5	8.9	9.7	7.2	—
	4	0.8	1.6	0.0	0.0	0.0	0.8	1.6	4.8	4.8	8.0	9.7	9.7	—
	5	0.0	0.8	0.8	0.0	0.0	0.8	3.2	6.4	8.0	6.4	9.7	12.1	—
	6	0.8	1.6	2.4	3.2	1.6	4.0	3.2	4.0	4.0	4.8	3.2	8.0	—
	7	0.0	0.0	1.6	0.8	0.8	0.0	1.6	3.2	8.0	10.5	12.9	16.1	—
	8	0.8	0.0	0.0	0.0	0.0	0.8	0.0	1.6	8.0	8.0	10.5	14.5	—
	9	3.2	2.4	1.6	0.8	0.0	0.0	0.8	0.0	4.0	7.2	4.0	8.0	—
	10	0.0	0.8	0.0	0.0	0.0	0.0	0.8	2.4	6.4	4.0	11.3	10.5	—
	11	0.0	0.8	0.8	1.6	1.6	0.8	0.8	0.0	2.4	8.0	7.2	8.9	—
	12	1.6	1.6	0.8	0.0	0.8	2.4	0.8	1.6	4.8	8.0	10.5	12.9	—
	13	3.2	0.0	0.0	0.0	0.0	0.0	0.8	3.2	5.6	11.3	13.7	8.9	—
	14	0.0	0.8	0.0	0.8	1.6	0.8	4.8	6.4	6.4	7.2	10.5	13.7	—
	15	1.6	1.6	1.6	1.6	0.8	0.8	1.6	0.0	1.6	6.4	10.5	12.9	—
	16	2.4	0.8	0.8	1.6	0.8	0.0	0.8	2.4	3.2	7.2	9.7	9.7	—
	17	0.8	1.6	3.2	1.6	0.8	1.6	1.6	3.2	6.4	8.0	8.0	11.3	—
	18	0.0	0.8	0.8	0.8	1.6	1.6	1.6	0.0	3.2	8.0	5.6	9.7	—
	19	0.0	0.0	0.8	1.6	6.4	0.0	0.8	3.2	3.2	5.6	3.2	4.8	—
	20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	3.2	4.8	6.4	—
	21	6.4	3.2	1.6	2.4	1.6	2.4	3.2	3.2	2.4	4.0	3.2	4.8	—
	22	1.6	2.4	3.2	1.6	1.6	1.6	0.8	0.8	1.6	1.6	2.4	4.8	—
	23	1.6	0.0	0.0	1.6	1.6	0.8	1.6	4.0	4.0	4.8	8.0	3.2	—
	24	0.8	0.8	0.8	0.0	0.0	0.8	1.6	3.2	4.8	7.2	10.5	8.9	—
	25	0.8	1.6	2.4	2.4	0.8	1.6	0.8	1.6	1.6	3.2	4.0	8.9	—
	26	0.0	0.8	3.2	2.4	2.4	3.2	3.2	5.6	7.2	9.7	12.9	12.9	—
	27	3.2	1.6	0.0	1.6	1.6	2.4	3.2	1.6	3.2	3.2	6.4	9.7	—
	28	0.8	0.0	0.8	1.6	2.4	3.2	4.8	4.0	4.8	4.8	4.8	4.8	—
Hourly Means.		1.11	0.97	1.06	1.09	1.03	1.17	1.77	2.86	4.69	6.53	8.28	9.55	—
Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
FEBRUARY.	1	9.7	12.1	10.5	9.7	10.5	4.0	1.6	0.0	0.0	0.0	0.0	0.0	4.50
	2	11.3	12.9	12.1	11.3	8.0	4.0	1.6	0.8	0.0	0.8	0.0	0.0	4.43
	3	6.4	7.2	4.8	4.8	4.0	0.8	0.8	0.8	2.4	0.8	1.6	1.6	3.28
	4	9.7	12.1	12.1	10.5	9.7	6.4	4.8	1.6	0.0	0.0	0.0	0.0	4.53
	5	11.3	12.1	11.3	11.3	8.9	2.4	1.6	2.4	2.4	2.4	1.6	0.8	4.86
	6	8.0	7.2	8.0	8.9	4.8	3.2	6.4	5.6	3.2	1.6	0.8	0.0	4.10
	7	12.9	9.7	7.2	4.8	4.0	4.0	1.6	1.6	3.2	0.8	0.8	0.0	4.42
	8	8.0	2.4	3.2	3.2	3.2	0.8	0.0	1.6	0.8	0.8	1.6	4.8	3.11
	9	9.7	4.8	4.0	5.6	4.0	0.8	1.6	0.0	0.0	0.0	0.8	0.0	2.64
	10	10.5	12.9	12.1	9.7	8.0	1.6	0.8	0.8	0.8	1.6	0.0	0.0	3.96
	11	11.3	12.9	14.5	12.1	8.0	1.6	1.6	0.8	0.8	0.0	0.0	0.0	4.02
	12	14.5	13.7	13.7	8.9	6.4	2.4	0.0	0.8	3.2	3.2	1.6	0.8	4.79
	13	9.7	12.1	12.1	9.7	7.2	2.4	0.0	0.0	1.6	3.2	2.4	1.6	4.53
	14	14.5	11.3	8.9	9.7	7.2	3.2	0.8	1.6	0.8	0.0	0.0	0.8	4.66
	15	14.5	12.1	11.3	9.7	6.4	3.2	4.8	1.6	0.8	0.0	0.8	1.6	4.49
	16	11.3	10.5	10.5	10.5	6.4	1.6	1.6	4.8	1.6	0.0	0.0	0.0	4.09
	17	12.1	11.3	9.7	6.4	4.8	1.6	0.0	0.0	1.6	3.2	0.8	0.0	4.15
	18	11.3	11.3	10.5	8.0	8.0	3.2	1.6	0.8	0.0	0.0	0.0	0.0	3.68
	19	1.6	3.2	4.8	5.6	2.4	0.8	0.8	1.6	8.0	3.2	2.4	0.0	2.67
	20	9.7	11.3	10.5	8.0	5.6	0.8	0.0	0.0	0.0	0.0	0.0	3.2	2.78
	21	8.0	8.0	7.2	7.2	4.8	1.6	0.0	1.6	3.2	3.2	1.6	0.0	3.53
	22	6.4	7.2	8.0	6.4	3.2	0.0	6.4	3.2	1.6	4.8	4.0	1.6	3.20
	23	5.6	12.1	6.4	2.4	0.8	2.4	1.6	0.0	0.8	0.0	0.0	0.0	2.64
	24	11.3	12.1	10.5	6.4	1.6	1.6	0.8	0.0	0.0	0.0	0.8	0.0	3.52
	25	10.5	9.7	9.7	8.0	3.2	0.8	0.0	0.0	0.8	0.8	0.8	0.0	3.08
	26	6.4	2.4	1.6	3.2	4.8	3.2	0.8	0.8	0.0	0.0	0.0	0.8	3.65
	27	12.9	13.7	5.6	4.0	5.6	3.2	1.6	1.6	0.8	0.8	0.8	0.8	3.71
	28	6.4	8.9	8.0	8.0	6.4	4.8	4.8	3.2	3.2	3.2	8.0	4.8	4.44
Hourly Means.		9.84	9.90	8.89	7.64	5.64	2.37	1.71	1.34	1.49	1.23	1.11	0.83	3.84

CLOUDS.

CLEAR = 0. — OVERCAST = 10.

Mean Batavia Time.	1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
FEBRUARY.	1	10	8	7	10	7	8	10	10	10	9	9	—
	2	8	8	8	8	9	9	7	6	5	9	6	—
	3	2	3	2	1	2	6	9	10	10	10	10	—
	4	9	7	7	6	7	7	10	10	10	9	10	—
	5	8	5	4	2	2	6	7	9	9	9	8	—
	6	8	10	8	8	10	10	10	10	10	10	10	—
	7	3	1	5	2	3	2	2	10	5	10	6	—
	8	5	5	10	10	9	10	10	10	8	8	9	—
	9	10	10	10	10	10	10	10	9	9	10	9	—
	10	5	3	4	5	5	6	10	9	10	9	9	—
	11	6	6	9	8	10	8	9	10	10	7	10	—
	12	8	10	10	10	10	10	10	10	8	8	9	—
	13	3	2	2	7	8	9	10	10	10	10	10	—
	14	9	7	7	7	6	7	10	10	10	10	10	—
	15	9	7	7	8	7	10	10	10	10	9	7	—
	16	10	10	10	8	10	10	10	10	9	10	10	—
	17	5	6	9	10	10	10	10	10	6	8	10	—
	18	4	4	10	3	2	8	8	7	10	10	10	—
	19	10	10	10	10	10	10	10	8	9	10	10	—
	20	10	10	10	10	9	10	10	9	9	9	9	—
	21	10	10	10	10	10	10	10	10	10	10	10	—
	22	10	10	10	10	10	10	10	10	10	10	10	—
	23	10	10	10	10	10	10	10	9	9	10	10	—
	24	3	5	10	9	9	9	4	3	5	6	6	—
	25	10	10	10	10	10	10	10	10	10	10	9	—
	26	6	6	6	9	6	6	3	4	6	8	7	—
	27	4	3	3	3	2	4	4	3	10	6	5	—
	28	8	9	7	7	9	9	10	10	10	9	9	—

Hourly Means.	7.3	7.0	7.7	7.5	7.6	8.4	8.7	8.9	8.5	9.2	8.9	9.1	—
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Mean Batavia Time.	1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.	
FEBRUARY.	1	9	9	9	5	9	9	7	6	8	9	6	7	8.4
	2	5	6	6	5	5	3	7	7	8	9	9	9	7.0
	3	10	10	10	10	10	10	10	10	10	9	9	8	8.0
	4	10	9	9	9	10	10	10	10	10	9	9	9	9.0
	5	7	7	7	5	7	9	9	10	9	9	10	10	7.4
	6	9	9	9	9	10	9	9	6	7	6	5	3	8.5
	7	10	10	9	10	10	10	10	10	10	10	10	10	7.4
	8	10	10	10	10	10	8	9	8	7	7	5	10	8.7
	9	8	10	10	7	10	8	10	8	8	5	6	8	9.0
	10	9	8	8	9	9	8	7	7	6	6	3	4	7.0
	11	7	9	7	8	9	10	10	10	9	8	8	7	8.5
	12	8	9	10	9	10	10	9	7	5	7	7	7	8.7
	13	10	9	9	6	4	6	10	10	10	10	10	9	8.1
	14	10	10	10	7	5	5	10	10	10	6	6	10	8.4
	15	9	9	10	8	8	9	10	10	10	10	8	9	8.9
	16	9	9	9	9	7	7	9	9	9	10	6	4	8.9
	17	10	10	10	10	10	10	10	10	10	10	10	10	9.3
	18	10	10	6	5	10	10	10	10	10	10	10	10	8.2
	19	10	10	9	8	6	6	10	8	10	10	10	10	9.3
	20	8	9	8	8	7	7	4	4	2	4	2	9	7.8
	21	10	10	10	10	9	9	4	5	10	9	9	10	9.4
	22	10	10	10	10	10	10	10	10	10	10	10	10	10.0
	23	10	10	6	8	7	6	7	4	3	2	2	2	7.7
	24	3	4	3	7	9	10	10	10	10	10	10	8	7.1
	25	7	7	6	6	8	8	5	5	5	4	4	3	7.8
	26	10	10	10	10	9	7	8	6	9	9	8	9	7.6
	27	6	4	9	9	10	9	9	9	7	9	8	7	6.1
	28	6	8	9	9	9	10	10	10	10	6	10	10	8.9

Hourly Means.	8.6	8.8	8.5	8.1	8.5	8.3	8.7	8.2	8.3	8.0	7.5	7.9	8.3
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BAROMETRIC PRESSURE.

BAROMETER AT 0°C = 750 MILLIMETERS + THE NUMBERS IN THE TABLE.

Mean Batavia Time.	1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—	
M A R C H.	1	9.88	8.93	8.63	8.25	8.23	8.49	9.01	9.51	9.89	9.94	9.60	8.93	—
	2	9.15	8.66	8.22	8.02	8.14	8.50	9.25	9.65	9.84	9.68	9.16	8.73	—
	3	9.90	9.31	9.11	9.40	9.41	9.86	10.19	10.30	10.34	10.28	9.99	9.33	—
	4	9.45	8.64	8.15	8.01	8.32	8.89	9.33	9.85	9.89	9.72	9.32	8.88	—
	5	8.50	7.97	7.92	7.84	7.91	7.97	8.92	9.70	9.71	9.91	9.56	9.51	—
	6	9.83	9.11	8.77	8.88	8.75	9.40	9.74	10.29	10.73	10.54	10.33	10.28	—
	7	9.27	8.72	8.72	8.62	8.58	8.75	9.10	9.83	10.26	10.24	10.08	9.32	—
	8	8.83	9.01	8.22	8.13	8.35	8.45	8.90	9.27	9.63	9.83	9.69	9.49	—
	9	9.85	9.17	8.84	8.86	9.08	9.68	10.29	10.68	11.20	11.13	10.92	10.58	—
	10	10.63	9.70	9.56	9.68	10.14	10.51	10.91	11.28	11.60	11.54	11.23	10.64	—
	11	10.59	10.18	9.89	9.85	9.86	10.03	10.89	11.16	11.32	10.84	10.97	10.78	—
	12	10.70	10.83	10.11	10.03	10.09	10.45	10.88	10.96	11.19	11.04	10.45	9.77	—
	13	9.79	9.10	8.96	9.05	9.40	9.70	9.90	10.20	10.93	10.52	10.11	9.23	—
	14	9.33	8.94	8.44	8.39	8.50	8.95	9.59	10.18	10.24	10.14	9.67	8.94	—
	15	7.92	7.58	7.45	7.21	7.28	7.65	7.81	8.20	8.25	8.11	7.81	7.38	—
	16	7.17	6.69	6.76	6.89	7.55	8.06	8.36	8.86	9.47	9.33	9.05	8.34	—
	17	7.74	7.40	7.26	7.17	7.30	7.71	8.11	8.67	8.89	8.53	8.37	7.76	—
	18	9.01	8.82	8.65	8.22	8.33	8.45	8.75	8.97	9.22	9.23	9.15	8.58	—
	19	9.26	8.71	8.22	8.27	8.36	8.81	9.39	9.93	10.17	10.16	9.84	9.15	—
	20	8.45	8.29	7.91	7.55	7.52	8.04	8.79	8.96	9.12	8.80	9.08	8.60	—
	21	7.91	7.39	7.16	6.94	6.95	7.13	7.55	8.02	8.40	8.26	8.23	7.73	—
	22	6.95	6.86	6.82	6.74	6.61	6.87	7.39	7.62	7.84	7.80	7.54	6.94	—
	23	7.45	6.92	6.89	6.84	6.86	7.11	7.44	7.70	7.73	7.78	7.38	6.78	—
	24	7.16	7.12	7.02	7.19	7.44	7.75	8.07	8.26	8.65	8.79	8.26	8.03	—
	25	7.34	7.27	7.27	7.43	7.50	7.62	8.30	8.32	8.44	8.55	8.18	7.62	—
	26	7.34	7.50	6.85	7.04	7.35	7.41	8.17	8.41	8.85	8.72	7.95	7.53	—
	27	8.75	8.41	8.07	7.97	7.97	8.34	9.09	9.32	9.58	9.48	8.94	8.49	—
	28	8.96	8.77	8.32	8.30	8.67	8.71	9.11	9.78	9.93	10.18	9.70	9.05	—
	29	9.47	9.33	9.17	9.20	9.39	9.89	10.06	10.58	10.67	10.73	10.35	9.42	—
	30	9.88	9.64	9.55	9.55	9.55	9.46	10.23	10.55	10.60	10.58	10.12	9.62	—
	31	8.96	8.67	8.39	8.15	8.71	8.88	8.83	9.19	9.64	9.79	9.37	8.65	—
Hourly Means.		8.88	8.50	8.24	8.18	8.33	8.63	9.11	9.49	9.75	9.68	9.37	8.84	—
Mean Batavia Time.	1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.	
M A R C H.	1	8.05	7.49	7.33	7.23	7.66	8.64	9.19	9.80	10.23	10.33	10.24	9.75	8.97
	2	8.15	7.54	7.22	7.56	8.18	9.03	9.60	10.19	10.42	10.88	10.85	10.35	9.04
	3	8.56	7.73	7.43	8.11	8.03	8.66	9.44	10.29	10.29	10.59	10.49	9.99	9.46
	4	7.99	7.38	6.98	7.12	7.39	7.99	8.29	8.80	9.25	9.48	9.44	9.37	8.66
	5	8.81	7.81	7.67	7.32	7.61	8.10	8.40	8.92	9.65	10.00	10.45	10.43	8.77
	6	9.87	9.07	8.39	8.01	7.97	8.15	8.96	9.36	9.69	9.99	10.24	9.65	9.42
	7	8.70	8.05	7.66	7.58	7.55	7.90	8.74	9.14	9.65	9.81	9.84	9.46	8.98
	8	8.57	7.75	7.63	7.38	7.58	8.24	8.97	9.38	9.90	10.38	10.39	10.05	8.92
	9	9.72	9.29	8.70	8.57	8.68	9.49	10.03	10.27	10.55	10.97	11.70	11.72	10.00
	10	9.78	9.14	8.84	8.79	9.12	9.24	10.08	10.67	11.49	11.55	11.43	11.37	10.37
	11	10.05	9.43	8.85	8.42	8.60	9.53	10.19	10.74	11.00	11.47	10.99	10.79	10.27
	12	8.97	8.18	7.62	7.55	7.75	8.50	9.13	9.63	10.07	10.43	10.44	10.19	9.79
	13	8.67	7.76	7.68	7.81	7.98	8.44	8.88	9.39	9.83	10.22	10.44	10.10	9.34
	14	8.21	7.34	7.25	7.10	7.18	7.23	7.70	8.14	8.64	8.81	8.77	8.15	8.58
	15	6.39	6.08	5.37	5.07	5.09	6.03	6.67	7.47	7.95	7.99	7.96	7.58	7.18
	16	7.23	6.33	5.56	5.74	6.22	6.63	7.41	7.84	8.19	8.44	8.31	7.96	7.60
	17	7.04	6.23	6.66	7.26	7.47	8.01	8.73	9.05	9.07	9.40	9.37	9.30	8.02
	18	8.07	7.58	7.18	7.11	7.34	8.06	8.65	9.13	9.76	10.14	10.15	9.63	8.67
	19	8.35	7.33	6.78	6.48	6.70	7.29	7.66	8.30	8.38	8.74	8.85	8.70	8.49
	20	7.63	7.03	6.03	6.27	6.12	6.49	7.16	7.59	7.98	8.35	8.11	8.09	7.83
	21	6.70	6.36	5.79	6.02	6.19	6.66	7.29	7.96	7.99	7.74	7.07	6.85	7.26
	22	6.11	5.78	5.23	5.54	6.27	6.23	7.14	7.54	7.73	7.74	7.99	7.94	6.97
	23	5.99	5.48	4.85	5.05	5.58	6.61	7.22	7.44	7.81	7.85	7.79	7.60	6.92
	24	7.52	6.82	6.44	6.08	6.32	6.89	7.45	7.67	8.40	8.49	8.30	7.77	7.58
	25	6.89	6.08	5.48	5.53	5.93	6.26	6.95	7.52	8.14	8.36	8.14	7.63	7.36
	26	6.83	6.41	5.84	6.31	6.63	7.71	8.10	8.38	8.69	8.89	8.96	8.76	7.68
	27	7.80	7.30	6.89	6.90	7.15	7.88	8.50	9.01	9.57	9.83	10.00	9.93	8.55
	28	8.34	7.81	7.36	7.51	8.21	8.97	9.63	10.03	10.47	10.60	10.43	10.00	9.12
	29	8.89	8.43	7.91	7.93	8.51	8.95	9.57	10.38	11.08	11.07	10.59	10.27	9.66
	30	8.72	7.80	7.46	7.16	7.59	8.19	8.83	9.64	9.69	9.69	9.72	9.38	9.30
	31	8.01	7.25	6.49	6.38	6.88	7.23	7.48	8.16	8.59	8.81	8.95	8.59	8.34
Hourly Means.		8.08	7.42	6.99	7.00	7.27	7.85	8.45	8.96	9.36	9.58	9.56	9.27	8.62

STANDARD THERMOMETER.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	---
MARCH.	1	74.0	73.7	73.2	73.0	72.8	72.5	72.9	74.6	78.4	79.5	82.0	83.7	—
	2	76.5	76.1	76.0	75.8	75.7	75.5	76.0	79.3	80.2	80.5	83.3	84.0	—
	3	75.8	75.2	75.0	75.0	74.5	74.1	75.0	77.0	79.7	82.1	83.4	84.1	—
	4	76.3	76.0	75.6	75.3	75.0	74.8	75.0	76.6	79.6	81.6	82.6	84.6	—
	5	75.8	75.6	75.6	75.3	75.0	74.6	74.8	73.1	74.0	74.3	74.2	75.0	—
	6	75.6	75.2	75.0	75.0	74.8	74.8	74.6	74.8	76.1	78.1	80.0	78.5	—
	7	74.9	74.7	74.8	74.6	74.6	74.3	74.5	75.0	76.0	76.2	76.0	75.9	—
	8	76.4	75.0	75.0	75.2	75.0	74.2	74.4	75.6	77.4	78.2	79.0	78.4	—
	9	76.8	76.3	76.0	75.7	75.4	75.4	75.5	76.2	77.6	79.5	83.0	82.5	—
	10	74.9	74.6	74.3	74.0	74.1	74.1	74.8	76.4	79.1	80.3	81.2	82.2	—
	11	77.0	76.7	76.5	76.0	76.0	75.6	76.0	76.9	79.3	81.0	77.1	75.3	—
	12	76.2	74.0	74.0	74.0	73.6	73.7	74.1	75.0	77.2	79.5	80.8	83.0	—
	13	76.9	76.2	75.8	75.1	74.4	74.4	76.1	78.4	81.0	83.0	83.8	85.6	—
	14	77.1	77.0	76.6	76.6	76.4	76.6	76.5	77.6	79.5	82.0	81.4	79.3	—
	15	75.0	74.7	74.2	73.9	73.5	73.1	73.7	77.9	80.8	82.6	84.0	85.2	—
	16	77.1	76.6	76.5	76.0	76.5	76.2	76.1	76.3	77.9	79.4	81.0	81.1	—
	17	76.7	76.2	76.0	76.0	76.0	75.3	76.0	77.6	80.2	82.9	85.0	86.6	—
	18	75.6	75.5	75.1	74.7	74.6	74.1	75.2	78.4	80.1	81.5	83.0	84.3	—
	19	76.4	76.6	76.6	76.8	76.8	76.9	76.7	78.0	80.2	80.0	78.3	80.1	—
	20	77.7	76.4	75.5	75.1	75.0	75.0	75.6	77.0	78.9	80.9	81.4	82.0	—
	21	76.4	76.0	75.3	75.0	74.6	74.2	75.0	77.2	80.4	82.4	82.7	84.0	—
	22	77.0	76.8	76.2	75.7	75.5	75.2	75.4	76.8	78.6	80.8	84.2	85.8	—
	23	77.6	77.6	77.5	77.2	76.6	76.3	77.5	80.3	82.3	84.4	86.0	86.2	—
	24	76.0	76.0	75.8	76.0	75.8	75.8	76.0	77.5	79.0	81.2	82.0	81.4	—
	25	74.7	74.5	74.0	73.7	73.2	73.0	73.7	75.9	80.0	82.4	83.4	84.0	—
	26	78.1	78.0	76.1	75.3	75.3	75.5	75.7	75.8	76.4	79.1	82.2	84.1	—
	27	75.9	75.5	75.3	75.1	75.1	74.9	75.2	76.5	78.5	82.0	81.7	78.2	—
	28	76.8	76.2	75.4	75.4	75.3	75.0	75.5	76.3	78.0	80.3	82.7	83.5	—
	29	76.0	75.7	75.3	75.3	75.0	75.0	75.5	77.7	79.7	80.2	80.0	82.7	—
	30	75.6	75.4	75.4	75.0	75.0	74.9	75.4	76.6	79.5	80.9	82.6	82.4	—
	31	75.5	75.5	75.3	75.0	74.9	74.9	76.0	78.4	81.1	82.5	84.3	86.0	—
Hourly Means.		76.20	75.79	75.45	75.22	75.03	74.84	75.30	76.80	78.93	80.62	81.69	82.25	—
Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
MARCH.	1	84.2	84.2	84.2	83.0	83.2	82.0	79.5	77.7	77.3	77.3	77.1	76.7	78.20
	2	84.7	84.9	84.0	82.0	83.2	76.9	76.7	76.7	76.3	76.1	76.1	76.0	78.59
	3	84.0	84.0	83.7	81.0	75.8	76.9	76.6	76.6	76.9	76.7	76.5	76.5	78.17
	4	85.3	85.0	84.2	84.8	81.1	78.9	78.0	77.5	77.5	77.0	76.5	76.5	78.97
	5	75.0	75.4	76.6	77.0	77.3	77.2	77.0	76.5	76.7	76.4	76.2	76.0	75.61
	6	76.0	75.8	76.0	75.3	75.5	75.3	75.1	75.2	75.2	75.2	75.0	74.7	75.70
	7	77.0	79.0	80.2	81.0	80.7	79.4	78.2	77.7	77.1	76.8	76.3	76.1	76.71
	8	79.6	81.2	80.0	81.5	81.5	80.0	78.6	78.0	77.5	77.5	77.4	77.0	77.65
	9	83.2	83.6	83.5	82.7	82.3	81.3	80.6	80.2	79.8	79.4	76.0	75.2	79.07
	10	82.6	82.9	82.7	82.9	82.0	81.1	80.2	80.0	79.6	78.8	77.6	77.3	78.65
	11	76.0	76.8	77.6	77.9	78.4	78.4	77.8	77.1	77.1	77.0	76.7	76.5	77.11
	12	84.2	84.0	83.5	82.9	82.5	81.0	80.3	79.8	79.3	78.6	78.0	77.5	78.61
	13	85.6	86.1	85.3	84.3	80.5	79.8	79.2	78.5	78.0	77.5	77.3	77.0	79.58
	14	79.0	78.5	78.5	78.9	79.9	79.0	78.0	77.2	76.4	76.0	75.5	75.1	77.86
	15	85.0	85.2	85.0	84.6	83.4	82.5	81.5	80.7	80.0	79.1	78.5	78.0	79.67
	16	82.7	83.0	84.3	83.8	81.5	80.8	79.6	78.8	78.0	77.5	77.3	77.0	78.96
	17	86.7	87.4	84.0	79.8	78.4	78.0	78.0	77.2	76.7	76.5	76.3	76.1	79.15
	18	85.3	85.8	85.9	85.0	83.4	82.6	81.9	81.2	80.0	75.9	76.2	76.3	79.65
	19	80.2	81.4	82.2	82.0	81.0	80.5	79.8	79.0	78.7	78.2	78.1	78.1	78.86
	20	81.6	81.5	81.7	81.7	81.5	80.5	80.0	79.1	78.6	78.0	77.3	77.0	78.71
	21	84.6	84.5	84.4	84.1	83.8	81.9	79.5	78.7	78.3	78.0	77.4	77.0	79.39
	22	86.3	85.9	85.7	84.0	81.1	79.7	78.5	78.2	78.0	78.0	78.3	78.0	79.57
	23	86.0	86.0	85.9	85.0	83.7	81.0	78.8	76.9	76.0	76.3	76.0	76.0	80.30
	24	81.1	82.0	81.7	81.5	79.0	77.7	77.6	77.1	76.4	75.8	75.5	75.2	78.05
	25	85.1	85.4	85.1	84.3	83.9	82.5	81.2	80.3	79.6	79.2	78.9	78.5	79.44
	26	84.0	83.9	84.6	84.1	82.8	82.0	77.6	76.8	76.7	76.4	76.0	75.7	78.84
	27	80.5	80.8	82.4	83.4	82.0	81.0	79.8	79.0	78.4	78.0	77.4	77.2	78.49
	28	83.2	83.9	82.2	83.2	82.4	79.5	78.4	78.0	77.8	77.4	76.9	76.5	78.74
	29	84.2	84.5	84.2	83.5	83.0	79.2	78.0	77.0	76.1	75.8	75.8	75.8	78.55
	30	82.1	81.6	83.0	82.6	82.0	80.2	79.4	77.3	76.5	76.1	76.1	76.1	78.40
	31	81.4	81.0	83.0	83.0	82.7	81.7	80.7	80.0	79.2	78.5	78.0	77.5	79.42
Hourly Means.		82.46	82.75	82.75	82.28	81.07	79.95	78.91	78.19	77.73	77.26	76.85	76.58	78.54

RELATIVE HUMIDITY OF THE AIR.
SATURATION = 1000.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
MARCH.	1	956	956	955	946	955	955	964	939	862	802	758	687	—
	2	907	916	924	932	940	940	940	886	871	872	767	762	—
	3	966	957	957	947	956	956	957	932	878	828	794	796	—
	4	966	966	966	966	966	965	966	924	864	778	788	730	—
	5	948	957	957	966	966	973	974	965	973	973	982	983	—
	6	974	974	974	974	974	974	973	974	923	908	841	885	—
	7	974	974	974	974	974	982	973	974	966	966	966	948	—
	8	940	947	939	931	930	973	973	966	966	950	942	908	—
	9	974	974	966	966	991	974	974	957	966	934	774	773	—
	10	930	947	956	965	956	956	947	940	870	826	820	815	—
	11	941	940	948	948	957	966	966	949	848	858	932	966	—
	12	983	947	965	973	982	982	973	983	925	863	850	802	—
	13	949	966	966	966	965	965	948	893	826	759	775	724	—
	14	958	949	957	957	966	957	957	925	894	815	821	902	—
	15	947	947	956	965	965	955	956	853	843	794	749	711	—
	16	925	940	940	940	948	940	932	916	885	855	836	813	—
	17	932	948	932	948	932	948	940	884	842	767	738	684	—
	18	940	940	947	956	956	965	939	829	848	783	751	665	—
	19	957	966	974	974	966	974	974	942	911	903	901	856	—
	20	892	882	914	914	922	922	923	916	863	827	806	800	—
	21	948	932	940	947	947	965	947	907	849	780	774	777	—
	22	932	941	948	948	948	931	923	900	869	827	756	720	—
	23	925	933	941	941	948	948	949	879	866	769	712	746	—
	24	966	957	966	957	966	966	957	908	886	791	830	814	—
	25	939	939	947	947	946	946	938	899	803	745	734	735	—
	26	918	933	974	914	914	957	948	940	916	847	765	716	—
	27	915	931	931	939	948	947	948	924	854	778	777	908	—
	28	883	891	906	905	923	922	940	924	893	818	765	747	—
	29	899	915	931	931	947	939	931	893	848	811	864	746	—
	30	957	957	957	957	947	956	966	940	863	843	809	816	—
	31	957	966	966	966	966	956	957	893	813	794	736	707	—
Hourly Means.		942	945	951	950	954	956	953	921	880	834	810	795	—
Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
MARCH.	1	694	694	715	760	775	815	840	868	876	900	892	991	856
	2	737	696	755	728	924	924	940	948	940	948	957	966	880
	3	777	777	754	776	915	932	948	948	949	949	957	948	898
	4	705	731	742	717	784	816	852	900	900	907	924	924	864
	5	983	974	974	957	949	958	941	974	983	983	983	974	969
	6	931	957	948	957	957	966	974	966	966	966	966	974	953
	7	924	863	856	783	804	886	901	933	949	941	948	948	933
	8	879	813	810	813	813	871	926	926	950	950	958	966	918
	9	767	748	748	794	779	821	873	888	919	943	940	931	891
	10	787	760	774	760	837	873	895	903	879	886	917	925	880
	11	966	983	974	974	975	983	974	966	983	983	983	974	956
	12	791	749	790	745	751	805	842	895	909	933	933	941	888
	13	693	675	672	715	849	879	894	901	925	917	941	941	863
	14	909	926	926	894	894	909	917	917	940	940	948	957	922
	15	745	732	725	717	789	808	844	880	910	943	902	901	856
	16	738	767	681	673	756	722	840	863	918	925	917	932	858
	17	703	680	727	809	814	845	876	900	907	906	924	923	855
	18	634	661	649	639	699	738	829	865	871	940	948	957	831
	19	872	820	807	785	805	826	855	902	918	933	933	933	904
	20	784	791	799	814	836	872	887	918	926	933	941	924	875
	21	730	737	702	715	761	807	847	885	893	901	925	932	856
	22	708	734	719	797	732	786	838	861	884	901	908	908	851
	23	741	720	727	758	796	827	862	907	923	940	940	957	861
	24	828	822	822	829	847	821	844	875	891	915	931	931	888
	25	725	699	684	695	715	759	844	872	910	926	918	918	841
	26	742	700	717	694	690	764	852	867	883	899	915	923	850
	27	849	835	787	761	778	812	871	894	918	877	876	875	872
	28	740	727	779	761	779	816	846	837	829	844	851	874	842
	29	682	689	694	692	760	918	933	932	940	957	948	957	865
	30	815	837	780	794	815	919	943	932	948	948	940	948	899
	31	783	797	817	794	808	844	865	903	918	926	942	941	876
Hourly Means.		786	777	776	777	812	849	884	904	918	928	932	939	882

DIRECTION OF THE WIND.

Mean Batavia Time.	1 A.M.	2	3	4	5	6	7	8	9	10	11	12	
MARCH.	1	WSW	WSW	SW	SW	SW	C	SW	SW	SW	W	NNW	NE
	2	WNW	C	WNW	C	WNW	WNW	WNW	WNW	WNW	NNW	NNW	N
	3	C	C	WSW	C	C	WSW	WSW	WSW	WSW	NW	NW	NNW
	4	SW	C	C	C	C	C	SW	SW	SW	W	NNW	NE
	5	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	SE	SE
	6	C	SE	SE	SE	SE	ESE	ENE	ENE	ENE	ENE	NNE	NNE
	7	SW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSE	SSE	WSW	WSW
	8	NW	NE	NE	NE	NE	NE	NE	ENE	ENE	ENE	ENE	NNE
	9	NNE	NNE	NNE	NNE	NNE	NNE	NNE	C	NNE	N	N	N
	10	WSW	WSW	WSW	C	C	WSW	WSW	WSW	WNW	NW	NW	NW
	11	W	W	C	W	C	W	W	W	NW	NNW	NNW	N
	12	N	N	N	N	N	N	N	N	NNW	NNW	NNW	NW
	13	C	C	N	C	C	N	N	N	NNW	NNW	N	NE
	14	N	N	C	N	N	N	N	N	N	NNE	NNE	NE
	15	ESE	ESE	C	C	C	C	ESE	ESE	ESE	E	E	E
	16	NNE	NNE	NNE	NNE	NNE	N	N	N	N	NNW	NNW	NNW
	17	C	C	C	N	N	N	N	N	N	WSW	WNW	NW
	18	C	S	S	S	S	S	S	SSW	SSW	SSW	SSW	N
	19	C	C	SE	SE	SE	SE	SE	C	ESE	NE	N	NNE
	20	W	WSW	WSW	SW	SSW	SSW	SW	WSW	WNW	WNW	NW	NW
	21	NW	NW	NW	NW	NW	NW	NW	NW	NW	NNW	NNE	NNE
	22	C	WSW	WSW	C	C	WSW	WSW	WSW	WSW	WNW	NW	N
	23	W	W	W	W	C	C	W	ESE	ESE	ENE	ENE	NNE
	24	C	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	E	N	N
	25	C	C	C	SW	SW	C	SW	SW	SSW	SSW	NE	NE
	26	N	NE	N	N	N	N	N	N	NNW	NNW	WNW	NNW
	27	SSW	SSW	SSW	C	C	SSW	C	SSW	SSW	NW	NW	N
	28	C	NW	NW	C	C	C	C	NW	NW	NW	NNE	NNE
	29	S	S	C	S	S	SSW	SSW	SSW	SW	NW	NW	NNE
	30	SW	SW	SW	SW	C	SW	SW	SW	W	W	N	NNE
	31	E	E	E	C	E	E	E	E	E	ENE	E	E

Mean Batavia Time.	1 P.M.	2	3	4	5	6	7	8	9	10	11	12
MARCH.	1	NNE	N	NNE	N	N	N	WNW	WNW	WNW	WNW	WNW
	2	NNE	N	N	WNW	WNW	WNW	WNW	WNW	WNW	WSW	WSW
	3	NNE	N	N	SW	SW	SW	SW	SW	SW	SW	SW
	4	NNE	N	NNW	N	SW	SSW	SSW	SSE	SE	ESE	ESE
	5	SE	SE	SE	SE	SE	SE	C	C	C	SE	SE
	6	N	N	N	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW
	7	WSW	WSW	NW	NW	NW	C	C	NW	NW	NW	NW
	8	NE	NNE	N	NNW	NNE	NNE	C	NNE	NNE	NNE	NNE
	9	NNW	NNW	NNE	N	N	NNE	NNE	C	C	NNW	WSW
	10	N	NNW	NNW	NNW	W	C	W	W	C	C	C
	11	N	N	N	C	C	N	N	N	N	N	N
	12	NNW	NW	NW	NNW	NNW	N	N	C	C	C	C
	13	NE	NNE	N	NNE	N	N	N	N	N	N	C
	14	E	E	E	E	ESE	ESE	ESE	ESE	ESE	ESE	ESE
	15	NE	NE	NE	NNE	N	NNE	NNE	C	NNE	NNE	NNE
	16	NNE	NNW	NNW	NNE	N	N	C	C	N	N	C
	17	NNW	NNW	SW	SW	SW	SSW	S	S	S	S	S
	18	N	NNE	NNE	N	N	N	C	C	ENE	SE	C
	19	N	N	N	N	NNW	NNW	NNW	NNW	NNW	NNW	NNW
	20	NNW	N	NNW	NW	NW	C	NW	NW	NW	NW	C
	21	NNE	NNE	NNE	NNW	N	W	WSW	WSW	C	WSW	WSW
	22	N	N	NE	N	W	W	W	W	W	W	W
	23	NE	NNE	NE	NNE	NNE	SW	ESE	E	E	ESE	ESE
	24	NNW	N	NNW	NNW	SW	SW	C	C	SW	SW	SW
	25	NE	NE	NE	N	NNE	N	C	C	N	N	N
	26	NNW	N	NNW	NNE	NNE	NNE	SSW	SSW	SSW	SSW	SSW
	27	NNW	WNW	NW	WSW	WSW	C	C	C	WSW	WSW	NW
	28	NE	NNE	N	N	NNW	SW	SW	SW	SSW	S	S
	29	NNE	NNE	N	N	NNW	WSW	WSW	WSW	SW	SW	SW
	30	NNE	NNW	NNE	N	N	N	E	E	E	E	E
	31	NE	NE	NE	NE	NE	NE	NE	C	NE	C	NE

VELOCITY OF THE WIND IN KILOMETERS PER HOUR.

Mean Batavia Time.		1 A.M.	2	3	4	5	6	7	8	9	10	11	12	—
M A R C H.	1	3.2	4.8	5.6	3.2	1.6	0.0	0.8	1.6	3.2	2.4	6.4	11.3	—
	2	0.8	0.0	0.8	0.0	0.8	0.8	1.6	4.8	3.2	4.8	4.8	9.7	—
	3	0.0	0.0	0.8	0.0	0.0	0.8	3.2	3.2	3.2	4.8	4.8	8.9	—
	4	0.8	0.0	0.0	0.0	0.0	0.0	2.4	4.8	3.2	4.0	5.6	7.2	—
	5	3.2	3.2	3.2	4.0	2.4	2.4	4.8	5.6	2.4	4.8	4.0	2.4	—
	6	0.0	1.6	3.2	3.2	3.2	4.8	1.6	4.8	6.4	7.2	11.3	8.0	—
	7	1.6	1.6	1.6	1.6	3.2	3.2	1.6	3.2	4.8	2.4	3.2	1.6	—
	8	3.2	4.0	2.4	0.8	1.6	3.2	3.2	3.2	3.2	3.2	4.0	4.8	—
	9	2.4	1.6	1.6	2.4	2.4	4.0	1.6	0.0	1.6	4.0	12.9	12.9	—
	10	4.8	2.4	0.8	0.0	0.0	0.8	0.8	2.4	6.4	7.2	8.0	8.0	—
	11	0.8	0.8	0.0	0.8	0.0	0.8	0.8	1.6	7.2	8.0	6.4	1.6	—
	12	5.6	6.4	1.6	1.6	1.6	1.6	2.4	3.2	3.2	4.8	6.4	8.0	—
	13	0.0	0.0	0.8	0.0	0.0	0.8	1.6	3.2	3.2	3.2	5.6	6.4	—
	14	0.8	0.8	0.0	0.8	0.8	0.8	1.6	0.8	1.6	4.0	6.4	8.9	—
	15	0.8	0.8	0.0	0.0	0.0	0.0	1.6	4.0	8.0	8.0	8.9	7.2	—
	16	1.6	1.6	1.6	1.6	1.6	4.8	2.4	2.4	3.2	4.8	5.6	6.4	—
	17	0.0	0.0	0.0	0.8	0.8	0.8	1.6	1.6	4.0	4.8	4.8	6.4	—
	18	0.0	0.8	0.8	1.6	1.6	1.6	4.0	3.2	3.2	2.4	3.2	8.0	—
	19	0.0	0.0	0.8	1.6	0.8	1.6	1.6	0.0	8.0	12.9	12.9	12.1	—
	20	5.6	7.2	7.2	8.9	6.4	4.0	4.0	4.8	6.4	8.0	8.9	11.3	—
	21	0.8	0.8	0.8	0.8	0.8	1.6	3.2	3.2	4.8	5.6	6.4	12.1	—
	22	0.0	1.6	1.6	0.0	0.0	3.2	1.6	1.6	1.6	4.8	9.7	8.9	—
	23	0.8	1.6	3.2	1.6	0.0	0.0	3.2	8.0	11.3	14.5	12.9	11.3	—
	24	0.0	0.8	1.6	0.8	0.8	0.8	0.8	1.6	1.6	5.6	9.7	9.7	—
	25	0.0	0.0	0.0	0.8	0.8	0.0	2.4	2.4	4.8	4.8	7.2	11.3	—
	26	3.2	4.8	3.2	1.6	2.4	2.4	3.2	4.8	3.2	4.8	6.4	8.0	—
	27	1.6	1.6	0.8	0.0	0.0	0.8	0.0	1.6	3.2	6.4	8.9	4.0	—
	28	0.0	0.8	1.6	0.0	0.0	0.0	0.0	1.6	0.8	3.2	3.2	6.4	—
	29	1.6	0.8	0.0	0.8	1.6	1.6	2.4	3.2	4.8	4.8	4.0	9.7	—
	30	0.8	0.8	1.6	1.6	0.0	1.6	1.6	1.6	4.0	3.2	4.8	8.0	—
	31	2.4	1.6	0.8	0.0	0.8	1.6	3.2	4.0	8.0	8.9	11.3	14.5	—
Hourly Means.		1.50	1.70	1.55	1.32	1.16	1.63	2.09	2.97	4.31	5.56	7.05	8.23	—
Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
M A R C H.	1	8.9	9.7	12.1	10.5	8.0	3.2	6.4	4.0	3.2	3.2	3.2	1.6	4.92
	2	13.7	16.1	13.7	8.0	2.4	1.6	0.8	2.4	1.6	4.0	1.6	0.8	4.12
	3	14.5	12.1	9.7	8.0	1.6	0.8	1.6	1.6	1.6	0.8	0.8	0.8	3.48
	4	10.5	14.5	14.5	9.7	6.4	8.0	6.4	5.6	4.0	4.0	6.4	5.6	5.15
	5	2.4	2.4	3.2	0.8	0.8	1.6	0.0	0.0	0.0	0.0	1.6	1.6	2.37
	6	1.6	2.4	6.4	6.4	3.2	0.8	1.6	0.8	1.6	1.6	1.6	0.8	3.50
	7	3.2	3.2	4.8	6.4	3.2	0.0	0.0	0.0	0.8	0.8	2.4	3.2	2.40
	8	8.0	8.9	8.0	6.4	4.8	0.8	0.8	0.8	0.8	0.8	1.6	1.6	3.30
	9	13.7	12.9	11.3	8.9	9.7	3.2	0.8	0.0	0.0	1.6	5.6	6.4	5.06
	10	9.7	11.3	11.3	8.0	3.2	0.0	0.8	0.8	1.6	0.0	0.0	0.0	3.68
	11	0.8	1.6	2.4	0.0	0.0	2.4	3.2	2.4	1.6	0.8	3.2	0.8	2.00
	12	8.0	7.2	8.0	10.5	8.0	4.0	1.6	0.8	0.0	0.0	0.0	0.0	3.94
	13	9.7	11.3	11.3	6.4	4.0	3.2	3.2	1.6	2.4	2.4	0.8	0.0	3.38
	14	4.8	3.2	4.8	5.6	4.0	1.6	2.4	1.6	0.8	1.6	0.8	0.8	2.47
	15	9.7	13.7	14.5	10.5	8.0	3.2	0.8	0.0	0.8	3.2	3.2	1.6	4.52
	16	6.4	5.6	4.8	11.3	8.0	2.4	0.0	0.0	0.0	0.8	0.8	0.0	3.24
	17	10.5	12.9	8.9	7.2	6.4	2.4	4.8	1.6	2.4	2.4	0.8	0.8	3.61
	18	8.9	9.7	9.7	11.3	4.8	1.6	0.0	0.0	7.2	3.2	0.8	0.0	3.65
	19	10.5	10.5	11.3	10.5	7.2	3.2	1.6	0.8	0.8	0.8	0.8	3.2	4.73
	20	12.1	11.3	8.0	3.2	0.8	0.0	0.8	1.6	1.6	1.6	0.8	0.0	5.19
	21	13.7	12.9	12.9	9.7	4.8	6.4	4.8	3.2	0.8	0.0	0.8	0.8	4.65
	22	12.1	9.7	11.3	8.0	3.2	1.6	1.6	0.8	1.6	4.8	4.8	3.2	4.05
	23	12.9	16.1	14.5	11.3	4.0	9.7	10.5	6.4	3.2	4.0	4.0	2.4	6.98
	24	8.9	8.0	4.8	4.8	6.4	1.6	0.0	0.0	1.6	0.8	0.8	0.8	3.01
	25	11.3	10.5	12.1	10.5	8.0	3.2	0.0	0.0	0.0	1.6	2.4	3.2	4.05
	26	9.7	12.9	5.6	8.9	8.0	8.0	9.7	4.8	2.4	0.8	0.8	0.8	5.02
	27	4.8	4.8	6.4	4.8	3.2	0.0	0.0	0.0	0.0	0.8	2.4	1.6	2.40
	28	10.5	11.3	9.7	8.0	6.4	6.4	4.8	4.8	6.4	6.4	4.8	2.4	4.15
	29	12.1	12.9	11.3	8.0	4.0	4.8	5.6	6.4	8.0	7.2	4.8	0.8	5.05
	30	10.5	8.9	11.3	6.4	3.2	1.6	6.4	4.8	2.4	4.0	3.2	2.4	3.95
	31	15.3	8.0	8.0	8.0	8.0	5.6	4.0	0.8	0.0	1.6	0.0	1.6	4.92
Hourly Means.		9.34	9.56	9.25	7.68	4.96	3.00	2.72	1.88	1.91	2.12	2.12	1.60	3.97

CLOUDS.

CLEAR = 0. — OVERCAST = 10.

Mean Batavia Time.	1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
MARCH.	1	10	10	10	10	10	9	7	3	4	4	3	—
	2	9	10	10	9	6	9	9	9	9	7	5	—
	3	10	10	10	8	6	7	3	3	8	8	9	—
	4	8	5	2	2	3	4	6	4	5	8	4	—
	5	10	10	10	10	10	10	10	10	10	10	10	—
	6	10	10	10	10	10	10	10	9	9	8	10	—
	7	10	10	10	10	10	10	10	10	10	10	10	—
	8	10	10	10	10	10	10	10	10	10	10	10	—
	9	10	8	5	5	10	10	10	10	10	8	8	—
	10	10	4	4	4	8	10	10	8	8	9	10	—
	11	7	9	9	9	9	10	9	8	9	10	10	—
	12	10	10	10	10	10	10	9	7	7	7	7	—
	13	8	6	7	8	8	6	5	3	4	5	5	—
	14	7	5	6	8	9	9	7	9	6	10	10	—
	15	2	2	2	3	4	2	2	1	2	6	6	—
	16	7	9	9	9	9	10	10	10	10	10	9	—
	17	3	3	2	1	1	2	6	5	3	6	5	—
	18	6	8	8	7	7	6	4	6	8	7	7	—
	19	10	10	10	10	10	10	7	6	9	10	8	—
	20	10	10	9	10	10	10	7	7	8	10	10	—
	21	9	7	9	9	7	7	2	1	3	6	6	—
	22	10	10	9	9	7	6	6	7	7	5	5	—
	23	10	10	10	6	6	7	4	2	5	6	7	—
	24	9	10	9	9	10	9	8	6	10	10	10	—
	25	3	2	3	3	6	6	5	4	4	7	3	—
	26	6	10	10	9	10	10	10	10	8	6	6	—
	27	9	9	9	8	7	7	10	9	7	9	10	—
	28	10	9	6	8	10	10	10	10	10	9	9	—
	29	8	6	7	7	7	5	5	10	10	10	7	—
	30	10	10	10	9	10	9	10	9	10	9	10	—
	31	10	10	9	7	5	6	4	4	7	6	7	—

Hourly Means.	8.4	8.1	7.9	7.6	7.9	7.9	7.7	7.1	6.9	7.6	7.9	7.6	—
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Mean Batavia Time.	1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
MARCH.	1	3	3	4	4	7	10	10	10	10	10	10	7.5
	2	1	3	5	10	10	10	10	9	9	9	10	8.2
	3	7	7	5	9	10	10	10	10	10	10	10	8.0
	4	2	3	4	5	10	10	9	9	7	10	10	6.0
	5	10	8	8	10	10	10	9	10	10	10	10	9.8
	6	10	10	10	10	10	10	10	10	10	10	10	9.8
	7	10	6	7	7	6	4	4	3	2	2	5	7.5
	8	10	9	9	7	7	7	3	5	8	7	10	8.7
	9	8	8	8	7	7	8	9	9	6	10	10	8.5
	10	7	8	9	10	6	6	3	6	10	6	7	7.5
	11	10	10	10	10	10	10	10	10	10	10	10	9.5
	12	8	8	7	4	4	4	8	9	4	4	5	7.5
	13	5	5	6	9	9	9	6	3	6	8	9	6.1
	14	10	10	10	9	9	8	7	6	7	5	6	7.8
	15	6	6	5	5	4	6	7	7	8	7	7	4.6
	16	8	8	6	6	6	8	8	6	5	5	4	7.8
	17	3	3	10	10	10	7	9	9	7	9	8	5.7
	18	3	3	2	5	5	6	9	9	10	10	10	6.8
	19	10	9	6	5	7	6	6	9	10	9	9	8.5
	20	10	10	6	9	10	7	7	9	8	9	7	8.8
	21	7	7	4	6	8	9	9	9	8	9	10	6.9
	22	3	6	4	10	10	10	9	10	10	10	10	7.9
	23	6	5	5	6	9	10	10	10	10	10	10	7.5
	24	10	9	10	10	10	10	9	9	9	7	5	8.9
	25	6	5	5	4	3	3	2	2	3	4	5	4.1
	26	9	9	9	9	10	10	7	7	9	8	6	8.5
	27	7	8	6	9	8	7	5	3	6	9	9	7.6
	28	9	9	9	7	7	6	9	8	8	9	8	8.7
	29	6	6	5	4	4	10	10	10	10	10	10	7.8
	30	10	10	10	6	10	10	10	10	10	10	10	9.7
	31	10	9	9	9	9	9	6	6	6	5	4	7.1

Hourly Means.	7.2	7.1	6.9	7.5	7.9	8.1	7.9	7.8	7.9	7.8	8.1	8.2	7.7
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BAROMETRIC PRESSURE.

BAROMETER AT 0°C = 750 MILLIMETRES + THE NUMBERS IN THE TABLE.

Mean Batavia Time.		1 A.M.	2	3	4	5	6	7	8	9	10	11	12	—
A P R I L.	1	8.40	8.01	7.79	7.80	7.82	8.37	8.92	9.54	10.03	9.98	9.81	9.72	—
	2	8.61	8.04	7.66	7.57	7.88	8.43	9.15	9.46	9.63	9.55	9.26	8.97	—
	3	7.95	7.29	7.37	7.65	7.51	8.07	8.66	8.71	9.42	9.25	9.25	8.50	—
	4	8.45	8.01	7.49	7.21	7.49	7.81	8.36	8.85	8.99	9.00	8.62	7.91	—
	5	8.59	8.20	7.97	7.88	7.95	8.40	9.00	9.45	9.69	9.73	9.40	8.71	—
	6	8.82	8.69	8.29	8.24	8.30	8.31	8.67	9.27	9.48	9.49	9.17	8.73	—
	7	7.82	7.50	7.41	7.42	7.51	7.87	8.13	8.71	8.66	8.54	8.10	7.46	—
	8	8.27	7.91	7.87	7.77	7.72	8.14	8.46	8.86	9.09	8.76	8.58	7.79	—
	9	7.90	7.57	7.39	7.16	7.44	7.96	8.47	8.75	8.94	8.88	8.68	7.74	—
	10	7.40	6.91	6.73	6.40	6.67	6.93	7.60	7.91	8.06	7.91	7.51	6.73	—
	11	7.26	6.70	6.37	6.54	6.86	7.07	7.37	7.81	7.97	7.95	7.70	7.01	—
	12	7.67	7.11	6.77	6.38	6.65	7.03	7.65	7.97	8.34	8.32	8.03	7.44	—
	13	7.17	7.00	6.77	6.62	6.59	6.84	7.11	7.81	8.11	7.94	7.50	6.89	—
	14	6.81	6.17	6.09	5.69	5.71	6.12	6.50	7.14	7.19	7.29	6.76	6.12	—
	15	6.81	6.27	5.87	5.84	6.00	6.51	6.97	7.16	7.54	7.55	7.26	6.65	—
	16	7.55	7.02	6.74	6.76	6.77	6.93	7.63	8.03	8.47	8.42	7.75	7.28	—
	17	6.85	6.52	6.20	6.30	6.56	6.77	7.01	7.47	7.99	7.85	7.53	7.26	—
	18	7.02	6.60	5.96	5.87	5.90	6.16	6.37	6.46	7.09	7.29	7.01	6.40	—
	19	7.73	8.00	8.01	7.95	7.88	7.91	8.22	8.97	9.49	9.58	9.04	8.71	—
	20	9.05	8.67	8.29	7.85	8.03	8.55	9.01	9.46	9.84	9.55	9.37	8.73	—
	21	9.16	8.97	8.76	8.50	8.84	9.17	9.63	9.93	10.48	10.64	10.08	9.44	—
	22	9.78	9.27	8.87	8.80	9.65	9.91	10.19	10.90	11.19	11.05	10.54	9.88	—
	23	10.53	10.25	10.19	10.01	10.08	10.44	10.91	11.09	11.21	11.09	10.37	9.27	—
	24	9.34	9.53	9.39	9.35	9.53	9.60	10.04	10.21	10.24	10.23	9.88	9.32	—
	25	9.06	8.55	8.15	8.07	8.20	8.62	8.91	9.28	9.58	9.29	8.78	8.39	—
	26	8.75	8.30	8.15	8.22	8.40	8.82	9.33	9.71	9.84	9.58	8.73	8.08	—
	27	8.55	7.91	7.99	8.12	8.12	8.34	8.79	9.35	9.44	9.10	8.39	7.81	—
	28	8.50	8.16	7.91	7.77	7.95	8.17	8.76	9.02	9.34	9.04	8.44	7.59	—
	29	7.92	7.46	7.07	6.83	7.05	7.56	7.98	8.45	8.71	8.75	8.00	7.27	—
	30	8.02	7.59	7.07	6.90	7.17	7.65	8.32	8.82	8.90	8.79	8.63	7.83	—
Hourly Means.		8.19	7.81	7.55	7.45	7.61	7.95	8.40	8.82	9.10	9.01	8.61	7.99	—
Mean Batavia Time.		1 P.M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
A P R I L.	1	8.73	8.34	7.69	7.48	8.08	8.48	8.80	9.55	9.83	9.80	9.73	9.70	8.85
	2	8.24	7.47	6.78	6.58	6.99	7.31	8.05	8.50	9.04	9.25	9.15	8.51	8.34
	3	7.39	6.79	6.62	6.77	6.93	7.32	7.80	8.29	8.81	9.38	9.50	9.09	8.10
	4	6.84	6.32	6.09	6.39	6.86	7.25	7.54	7.81	8.19	8.65	8.76	8.67	7.82
	5	8.34	7.63	7.08	6.71	6.74	7.09	7.33	7.61	8.09	8.14	8.74	8.81	8.22
	6	8.00	7.41	7.16	6.66	7.46	7.57	8.23	8.71	9.08	9.39	9.37	8.91	8.48
	7	7.01	6.54	6.06	5.82	6.32	6.79	7.38	8.08	8.54	8.98	9.10	8.75	7.69
	8	7.02	6.54	6.02	6.07	6.24	6.44	7.05	7.55	7.90	8.16	8.45	8.42	7.71
	9	7.03	6.72	5.98	6.23	6.67	7.03	7.69	8.34	8.49	8.51	8.00	7.82	7.72
	10	6.01	5.49	5.49	5.42	5.62	6.12	6.57	7.27	7.66	7.58	7.94	7.25	6.88
	11	6.42	5.94	5.88	5.98	6.35	6.72	6.80	7.50	7.89	8.26	8.52	8.29	7.13
	12	6.71	5.81	5.54	5.18	5.84	6.23	7.13	7.83	8.33	8.69	8.24	7.90	7.20
	13	6.48	6.37	5.58	5.63	5.93	6.24	6.53	7.06	7.39	7.25	6.97	7.00	6.87
	14	5.42	5.01	4.79	5.26	5.62	6.05	6.59	7.41	7.75	7.92	7.56	7.35	6.43
	15	6.14	5.74	5.58	5.81	6.31	6.49	7.18	7.85	8.05	8.30	8.46	8.12	6.85
	16	6.18	5.96	5.74	5.49	5.73	6.24	6.55	7.45	7.75	7.90	7.72	7.41	7.06
	17	6.63	6.13	5.40	5.21	5.88	6.09	6.95	7.83	8.11	8.00	8.00	7.61	6.92
	18	6.14	5.91	5.65	5.53	6.23	6.98	7.36	7.56	8.02	8.82	8.85	8.47	6.82
	19	7.93	7.34	6.90	6.95	7.54	7.61	8.04	8.64	9.05	9.35	9.48	9.34	8.32
	20	8.32	7.53	7.15	7.26	7.15	7.62	8.06	8.57	8.88	9.30	9.28	9.43	8.54
	21	8.91	8.62	8.01	7.71	7.76	8.28	8.74	9.44	10.10	10.25	10.19	10.18	9.24
	22	9.33	8.44	7.89	7.87	8.16	8.65	9.28	9.95	10.28	10.52	10.82	10.79	9.67
	23	8.59	7.86	7.42	7.40	7.72	8.26	8.43	9.01	9.68	10.14	10.15	9.73	9.58
	24	8.53	7.70	7.21	7.15	7.46	7.63	8.41	8.82	9.13	9.51	9.62	9.48	9.05
	25	7.94	7.03	6.57	6.37	6.65	7.23	7.96	8.64	9.44	9.74	9.77	9.22	8.39
	26	7.64	6.84	6.58	6.92	7.22	7.63	7.79	8.53	9.07	9.09	9.03	9.11	8.39
	27	7.24	7.03	6.79	6.68	6.90	7.55	8.36	8.98	9.48	9.45	9.39	8.94	8.28
	28	7.41	6.46	6.02	6.10	6.17	6.64	7.38	8.28	8.69	8.79	8.75	8.30	7.90
	29	6.91	6.31	5.89	6.01	6.67	7.52	7.90	8.65	8.69	8.73	8.66	8.25	7.64
	30	7.14	6.36	6.04	6.04	6.24	7.14	7.70	8.37	8.78	8.96	8.99	8.81	7.76
Hourly Means.		7.35	6.79	6.39	6.36	6.71	7.14	7.65	8.27	8.67	8.89	8.91	8.66	7.93

STANDARD THERMOMETER.

Mean Batavia Time.		I A. M.	2	3	4	5	6	7	8	9	10	11	12	—
A P R I L.	1	77.0	76.7	76.5	76.2	76.0	76.0	76.4	77.0	77.4	81.6	84.0	80.0	—
	2	75.7	75.2	74.8	74.8	74.6	74.4	75.0	77.5	80.5	82.7	84.4	86.0	—
	3	77.4	76.8	76.4	76.0	75.5	75.2	75.8	78.7	81.7	83.3	78.0	79.5	—
	4	77.7	77.2	76.4	75.9	75.8	75.7	76.5	78.0	79.8	82.8	84.1	84.8	—
	5	75.3	75.0	74.7	74.4	74.4	74.9	75.4	76.8	78.7	80.1	81.3	83.4	—
	6	77.0	77.0	76.7	76.4	76.1	75.9	75.6	76.7	78.4	80.9	82.5	83.8	—
	7	76.7	76.2	76.2	76.0	75.5	74.8	75.0	78.2	81.2	83.4	85.0	86.6	—
	8	75.7	75.7	75.5	75.5	75.4	75.5	75.5	75.6	79.1	81.5	83.3	85.2	—
	9	76.3	76.0	75.2	75.0	74.5	74.3	75.0	77.1	80.1	82.9	84.8	85.0	—
	10	74.4	74.2	74.0	73.6	73.4	73.2	73.9	76.0	80.0	83.0	84.5	85.8	—
	11	76.0	75.8	75.8	75.6	75.3	75.3	75.8	77.8	80.0	82.7	82.5	84.2	—
	12	75.1	74.5	74.5	74.5	74.2	73.3	73.5	76.2	80.0	82.5	84.4	86.3	—
	13	76.0	75.6	75.6	75.6	75.6	75.4	76.0	78.2	82.0	84.0	85.1	86.4	—
	14	76.4	76.0	75.9	75.5	74.8	74.7	75.0	77.8	80.6	82.0	84.0	85.5	—
	15	75.5	75.4	75.3	75.3	75.0	74.9	75.3	77.1	79.9	81.8	83.3	85.0	—
	16	75.8	75.5	75.3	75.0	74.5	74.0	74.3	76.8	78.9	82.1	84.8	85.0	—
	17	76.0	75.6	75.0	74.8	74.8	74.8	76.0	78.2	81.0	82.5	84.0	82.2	—
	18	76.0	75.6	75.4	75.1	75.0	75.0	75.4	76.0	77.9	80.5	83.0	83.7	—
	19	74.4	73.9	72.6	71.8	72.0	71.6	72.1	73.4	74.6	77.6	79.6	80.9	—
	20	76.2	75.7	75.0	74.8	74.6	74.2	75.0	77.4	80.0	81.9	82.4	84.9	—
	21	77.8	77.2	76.7	75.8	75.0	75.0	75.6	77.0	80.6	83.6	85.2	86.6	—
	22	76.3	75.8	75.6	75.0	74.6	74.0	75.0	78.0	81.5	83.5	85.1	86.3	—
	23	75.7	74.8	74.4	74.4	74.2	73.8	74.0	76.8	80.0	82.6	85.0	87.0	—
	24	75.9	75.5	75.5	75.0	74.4	73.8	74.3	77.5	81.3	83.6	85.6	86.9	—
	25	74.0	74.0	73.0	72.3	72.0	71.4	72.6	76.4	79.7	83.8	86.0	86.3	—
	26	77.0	76.2	75.5	74.7	74.1	73.5	75.0	77.6	79.8	82.6	84.1	85.9	—
	27	76.9	76.7	76.2	75.8	75.1	74.5	75.2	78.0	80.5	82.8	85.0	87.2	—
	28	76.1	76.0	76.0	75.8	75.4	75.1	75.4	77.0	79.5	80.7	83.1	83.8	—
	29	75.5	75.0	74.5	74.2	73.8	73.6	74.4	77.1	80.0	82.0	83.3	85.0	—
	30	75.7	75.1	74.6	74.0	73.6	73.1	74.1	77.1	80.8	83.6	84.2	85.9	—
Hourly Means.		76.05	75.66	75.29	74.96	74.64	74.36	74.94	77.10	79.85	82.29	83.72	84.84	—
Mean Batavia Time.		I P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
A P R I L.	1	79.4	80.0	80.6	80.9	80.9	79.9	79.0	78.6	78.0	77.5	77.0	76.6	78.47
	2	85.1	85.5	85.7	84.8	83.4	82.8	81.5	80.3	79.6	79.0	78.6	78.2	80.00
	3	81.6	83.0	83.3	83.3	83.5	82.1	80.8	80.0	79.6	79.2	78.9	78.4	79.50
	4	84.6	84.6	83.0	78.2	76.7	76.5	76.5	76.2	76.0	76.0	75.6	75.4	78.50
	5	84.9	84.7	82.7	82.5	82.1	81.6	80.5	79.5	78.7	78.5	77.5	77.0	78.94
	6	84.3	85.0	84.5	84.3	82.0	80.6	79.6	78.8	78.0	77.7	77.2	77.0	79.42
	7	86.0	81.6	82.0	83.0	83.4	82.0	81.0	79.4	78.7	77.9	77.0	76.5	79.72
	8	86.7	85.2	85.0	84.5	84.0	83.2	80.9	79.6	78.6	78.0	77.5	77.0	79.74
	9	83.2	78.5	79.6	80.6	80.6	79.6	78.2	76.5	76.2	75.6	75.0	74.7	78.10
	10	86.6	85.7	84.7	83.7	83.0	82.0	81.1	80.5	79.4	79.0	77.5	76.5	79.40
	11	85.2	84.0	80.8	82.4	81.5	77.7	77.1	76.6	76.6	76.4	76.2	75.8	78.63
	12	86.0	87.0	84.2	85.6	85.0	83.8	82.5	81.0	79.4	77.7	76.6	76.3	79.75
	13	83.0	79.0	80.0	81.0	81.2	79.5	78.3	78.0	77.8	77.4	77.0	76.9	78.94
	14	85.3	84.6	84.0	80.1	79.8	79.3	78.3	78.0	77.5	77.0	76.2	76.0	78.93
	15	85.0	85.8	85.0	82.1	81.1	80.0	79.0	78.0	77.6	76.6	76.5	76.0	79.02
	16	87.9	84.4	82.4	83.2	83.6	81.4	80.1	78.9	78.0	77.4	76.7	76.3	79.26
	17	81.3	81.8	82.0	83.0	81.2	80.0	79.4	78.6	77.3	76.8	76.7	76.3	78.72
	18	83.0	81.6	80.9	80.4	79.9	78.6	77.8	76.0	75.0	75.0	74.2	74.2	77.72
	19	82.0	82.6	83.5	82.4	81.0	79.9	79.0	78.4	78.2	77.9	77.3	77.0	77.24
	20	86.5	87.5	87.0	86.8	85.7	83.7	81.7	80.5	79.6	79.0	78.5	77.6	80.26
	21	86.5	83.4	85.6	85.6	84.6	83.0	81.6	80.0	78.8	78.0	77.7	77.3	80.34
	22	82.4	82.4	82.0	84.1	83.5	81.4	80.2	79.1	78.5	77.8	77.0	76.3	79.39
	23	89.0	89.5	89.5	89.0	87.5	85.3	83.4	81.8	80.4	79.3	78.4	77.2	80.96
	24	88.6	89.0	89.6	88.5	87.3	85.0	82.6	81.1	79.3	78.0	76.5	75.0	80.83
	25	88.0	88.3	87.0	88.2	86.9	84.2	82.3	80.7	79.5	78.9	78.5	77.2	80.05
	26	86.9	87.6	87.3	86.1	84.3	83.0	81.7	80.4	79.2	78.4	77.9	77.3	80.25
	27	84.7	80.8	81.2	80.8	80.3	79.8	79.5	79.0	78.1	78.0	76.7	76.3	79.13
	28	80.0	80.9	83.0	84.0	82.4	81.0	80.0	78.6	77.7	77.0	76.8	76.0	78.80
	29	85.0	85.0	83.6	83.3	82.5	81.6	80.0	78.8	78.0	77.0	76.6	76.0	78.99
	30	86.1	86.1	85.5	85.0	83.6	82.4	80.9	80.0	79.0	78.7	78.0	77.3	79.77
Hourly Means.		84.83	84.17	83.84	83.58	82.75	81.36	80.15	79.10	78.28	77.69	77.06	76.52	79.29

RELATIVE HUMIDITY OF THE AIR.

SATURATION = 1000.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
A P R I L.	1	958	957	948	966	948	957	957	932	933	814	756	871	—
	2	966	974	966	966	956	956	947	925	856	778	686	678	—
	3	933	932	940	940	948	957	931	886	829	768	861	902	—
	4	933	932	932	948	948	948	924	885	864	767	756	703	—
	5	957	939	930	922	922	914	905	883	847	834	798	747	—
	6	932	941	949	948	1000	966	948	907	878	820	738	735	—
	7	940	957	957	948	957	965	939	901	827	718	665	594	—
	8	931	948	966	974	974	974	983	983	823	784	761	705	—
	9	932	940	947	947	956	939	930	892	826	739	697	697	—
	10	947	956	956	947	947	946	930	899	811	711	682	681	—
	11	957	957	966	966	957	948	957	917	856	787	794	742	—
	12	974	973	965	965	965	973	938	915	803	773	750	708	—
	13	931	940	931	948	948	966	957	926	830	749	725	715	—
	14	948	948	948	948	947	939	947	876	827	772	756	699	—
	15	940	940	948	948	956	956	948	900	871	822	768	678	—
	16	948	948	948	939	965	956	947	907	863	786	752	745	—
	17	906	915	931	922	922	922	923	877	797	765	727	764	—
	18	923	915	923	939	947	947	914	906	852	775	746	748	—
	19	838	878	902	936	936	945	928	911	888	836	765	725	—
	20	882	898	914	922	913	921	922	867	825	785	759	683	—
	21	836	844	851	873	888	897	898	891	790	734	705	632	—
	22	866	873	873	889	897	921	897	829	791	740	690	675	—
	23	915	939	939	939	947	938	930	867	759	731	639	616	—
	24	881	889	889	888	913	912	913	820	699	633	592	592	—
	25	878	887	911	919	919	927	910	810	750	608	574	558	—
	26	892	833	856	888	904	912	897	860	810	773	707	674	—
	27	900	899	915	923	939	947	931	852	804	738	696	652	—
	28	931	923	915	889	905	905	914	883	824	797	753	735	—
	29	940	947	947	956	956	947	939	900	818	751	740	659	—
	30	931	930	939	930	929	937	930	875	783	720	708	681	—
Hourly Means.		922	925	930	934	940	941	931	889	824	760	725	700	—
Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
A P R I L.	1	870	856	804	820	805	848	902	918	942	941	949	949	900
	2	725	719	712	690	740	774	851	895	927	934	926	933	853
	3	836	766	774	802	781	807	850	880	903	918	926	942	876
	4	709	724	767	853	907	916	924	932	940	940	957	957	878
	5	744	737	766	779	822	851	872	886	909	902	908	925	862
	6	675	684	723	729	792	849	879	870	893	901	925	932	859
	7	727	806	822	788	789	807	858	902	918	917	924	940	857
	8	645	718	731	723	770	761	812	855	885	901	908	916	851
	9	733	901	886	865	857	910	869	924	940	931	939	939	881
	10	632	687	690	755	802	829	850	888	918	934	917	948	844
	11	731	762	880	830	821	900	924	940	948	957	957	957	892
	12	734	717	819	760	731	769	823	896	918	876	899	915	857
	13	801	909	910	919	911	943	926	933	933	925	941	941	898
	14	705	689	694	773	824	854	861	884	907	907	923	923	854
	15	752	747	704	845	858	887	909	908	908	924	932	948	875
	16	688	750	793	795	761	783	818	838	861	884	907	915	854
	17	776	777	778	747	791	803	809	854	875	883	891	915	845
	18	746	777	797	834	855	792	829	801	806	814	845	837	845
	19	715	731	659	661	755	766	816	838	792	974	835	851	828
	20	656	617	633	614	699	699	741	782	809	823	831	852	794
	21	664	803	687	706	743	739	777	825	862	877	852	835	800
	22	837	822	851	749	747	748	788	831	862	884	883	899	827
	23	558	549	566	599	642	639	672	720	759	793	807	827	762
	24	540	588	567	563	593	633	675	712	750	769	788	840	735
	25	514	550	616	544	555	616	641	690	735	778	793	797	728
	26	627	618	598	655	688	717	757	797	832	838	852	875	786
	27	743	835	850	835	864	879	910	854	877	876	906	932	857
	28	903	919	831	740	793	843	864	901	925	916	924	931	869
	29	671	711	769	768	787	829	811	854	893	900	907	923	847
	30	662	681	733	744	748	786	843	879	926	902	917	925	835
Hourly Means.		711	738	747	750	774	799	829	856	878	891	896	907	842

DIRECTION OF THE WIND.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12
A P R I L.	1	NE	C	NE	NE	NE	NE	NE	ESE	ESE	ESE	E	ENE
	2	C	ENE	ENE	C	ENE	ENE	ENE	ENE	E	E	ENE	E
	3	C	NNE	NNE	NNE	NNE	NNE	NNE	NNE	ENE	ENE	WNW	WNW
	4	N	N	N	N	N	N	C	N	NNE	NNE	NE	NE
	5	WSW	WSW	WSW	C	WSW	WSW	WSW	WSW	WSW	W	W	NW
	6	NW	C	C	C	NW	NW	NW	NW	NW	W	W	NE
	7	C	WNW	WNW	C	C	C	WNW	WNW	ENE	ENE	ENE	ENE
	8	ESE	ESE	E	E	C	E	E	E	E	SE	ESE	E
	9	C	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	E	E	ENE
	10	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	ESE	ESE	E
	11	E	E	E	E	SSE	SSE	SSE	SE	SE	ESE	E	ESE
	12	C	C	SE	SE	SE	SE	SE	SE	ESE	E	E	E
	13	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	SE	ESE	E	NE
	14	S	S	S	S	S	S	S	S	S	SW	WNW	NW
	15	C	C	SE	C	C	C	SE	SE	ESE	ESE	ESE	WNW
	16	C	C	C	C	C	N	N	N	N	WNW	W	WNW
	17	W	W	W	W	C	W	W	W	WNW	WSW	WNW	WNW
	18	WNW	WNW	NW	WNW	WNW	WNW	WNW	W	WNW	W	W	W
	19	NW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	NW	NW	WNW	NW
	20	WNW	WNW	WNW	WNW	WNW	WNW	C	WNW	WSW	W	WNW	NW
	21	W	W	W	C	C	C	W	W	WNW	WNW	WNW	NNW
	22	C	C	NW	NW	NW	C	NW	NW	W	W	WNW	W
	23	W	W	W	W	W	W	W	W	WNW	WNW	W	NW
	24	SW	SW	SW	SW	SW	SW	SW	SW	SSW	SSW	WNW	NW
	25	W	W	W	W	W	W	W	W	W	SSW	SSW	NW
	26	WNW	WNW	WNW	WNW	WNW	WNW	W	WNW	WSW	WNW	W	WNW
	27	W	W	W	W	W	W	W	W	WNW	WSW	WSW	NW
	28	NW	NW	NW	NW	NW	NW	NW	WNW	W	WNW	WNW	NW
	29	C	W	W	W	W	W	W	W	W	W	NW	N
	30	C	C	ENE	ENE	ENE	ENE	ENE	ENE	ENE	SE	ENE	E
Mean Batavia Time.		1 P.	2	3	4	5	6	7	8	9	10	11	12
A P R I L.	1	ENE	ENE	ENE	ENE	C	C	C	ENE	ENE	C	C	C
	2	NE	NNE	NNE	NNE	NNE	NNE	C	C	NNE	NNE	NNE	NNE
	3	N	NE	NNE	NNE	NNE	NNE	NNE	NNE	N	N	C	N
	4	NNE	NNE	NNE	WSW	WSW	WSW	C	C	C	WSW	WSW	WSW
	5	WNW	WNW	WNW	NW	NW	C	NW	C	NW	C	C	NW
	6	NNE	N	N	N	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW
	7	NE	ENE	NE	NE	NE	NE	NE	NE	NE	ENE	ESE	ESE
	8	ENE	NNE	NE	NNE	NNE	NNE	ESE	ESE	C	C	C	C
	9	NNE	ENE	NE	NNE	NNE	C	N	NNW	NW	WNW	WNW	WNW
	10	ENE	NNE	NNE	NNE	NE	NE	NE	NE	NE	NE	ENE	ENE
	11	ENE	NE	ENE	ENE	NE	SE	SE	SE	C	C	C	C
	12	NE	NE	NNE	E	E	ENE	ENE	C	ENE	ENE	ENE	ENE
	13	NNE	E	ENE	ENE	ENE	SSE	S	S	S	S	S	C
	14	N	NNE	NNW	WSW	SW	SW	SW	SW	SE	SE	SE	SE
	15	N	NE	NNW	NNE	N	C	N	N	N	C	C	C
	16	NW	NNW	NW	WNW	W	WNW	W	W	W	W	W	W
	17	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW
	18	NW	WNW	W	W	NW	WNW	W	W	WSW	W	NW	NW
	19	NW	NW	NW	NW	WNW	NW	WNW	WNW	W	WNW	WNW	WNW
	20	NW	WNW	WNW	WNW	WNW	WNW	W	W	W	W	W	W
	21	NW	NW	NNW	NNW	NNW	NW	NW	C	C	C	NW	C
	22	WNW	NW	NNW	WNW	W	WNW	WNW	WNW	WNW	WNW	W	W
	23	W	W	W	WSW	WSW	WSW	SW	SW	SW	SW	SW	SW
	24	WSW	N	NW	WNW	WNW	WNW	WNW	W	W	W	W	W
	25	W	NW	N	WNW	W	WNW	WNW	WNW	WNW	WNW	WNW	WNW
	26	WNW	NW	W	WSW	W	WSW	WSW	WSW	WSW	WSW	W	W
	27	N	NW	NW	NW	C	C	NW	NW	NW	NW	NW	NW
	28	NNE	NNW	NW	WNW	W	W	W	C	C	W	C	W
	29	N	NE	NE	NE	NE	NE	NE	NE	ENE	ENE	ENE	ENE
	30	ENE	NNE	NE	NNE	N	N	C	C	N	N	C	C

VELOCITY OF THE WIND IN KILOMETERS PER HOUR.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
A P R I L.	1	0.8	0.0	1.6	0.8	1.6	1.6	3.2	8.0	8.0	12.9	16.1	14.5	—
	2	0.0	1.6	0.8	0.0	0.8	0.8	1.6	1.6	8.0	9.7	12.1	9.7	—
	3	0.0	1.6	0.8	1.6	1.6	1.6	3.2	3.2	8.0	8.9	3.2	2.4	—
	4	1.6	1.6	1.6	0.8	0.8	1.6	0.0	0.8	3.2	5.6	9.7	13.7	—
	5	3.2	2.4	3.2	0.0	3.2	4.0	4.8	3.2	4.8	5.6	7.2	6.4	—
	6	0.8	0.0	0.0	0.0	1.6	0.8	0.8	2.4	3.2	3.2	4.0	5.6	—
	7	0.0	1.6	0.8	0.0	0.0	0.0	2.4	3.2	6.4	8.0	9.7	9.7	—
	8	1.6	1.6	2.4	1.6	0.0	0.8	5.6	8.0	8.0	9.7	9.7	11.3	—
	9	0.0	0.8	1.6	0.8	1.6	0.8	1.6	1.6	4.0	6.4	6.4	6.4	—
	10	1.6	0.8	3.2	1.6	0.8	1.6	1.6	3.2	5.6	8.0	8.0	9.7	—
	11	4.8	3.2	1.6	2.4	6.4	3.2	2.4	8.0	10.5	12.9	12.9	13.7	—
	12	0.0	0.0	0.8	1.6	1.6	1.6	1.6	1.6	4.8	8.0	9.7	14.5	—
	13	0.8	1.6	2.4	0.8	0.8	1.6	3.2	4.8	10.5	10.5	8.9	9.7	—
	14	0.8	0.8	0.8	1.6	0.8	0.8	1.6	1.6	4.0	4.8	5.6	7.2	—
	15	0.0	0.0	0.8	0.0	0.0	0.0	0.8	3.2	3.2	4.8	4.8	5.6	—
	16	0.0	0.0	0.0	0.0	0.0	1.6	0.8	0.8	4.0	5.6	5.6	4.0	—
	17	1.6	1.6	2.4	0.8	0.0	1.6	5.6	5.6	10.5	12.1	10.5	10.5	—
	18	3.2	4.8	8.0	6.4	4.8	3.2	3.2	5.6	8.0	12.1	12.1	12.9	—
	19	3.2	4.8	4.8	3.2	1.6	1.6	3.2	3.2	6.4	12.1	15.3	15.3	—
	20	0.8	2.4	3.2	1.6	1.6	1.6	0.0	3.2	4.8	8.9	8.0	13.7	—
	21	4.0	2.4	0.8	0.0	0.0	0.0	1.6	3.2	7.2	9.7	9.7	10.5	—
	22	0.0	0.0	0.8	0.8	0.8	0.0	0.8	4.0	6.4	8.0	8.9	10.5	—
	23	0.8	1.6	0.8	1.6	0.8	0.8	1.6	0.8	4.0	6.4	8.0	8.0	—
	24	1.6	2.4	3.2	0.8	0.8	1.6	1.6	7.2	8.0	4.8	6.4	6.4	—
	25	0.8	1.6	1.6	1.6	0.8	0.8	2.4	2.4	4.8	6.4	6.4	6.4	—
	26	0.8	0.8	1.6	1.6	0.8	1.6	2.4	4.0	5.6	8.0	8.9	9.7	—
	27	1.6	1.6	1.6	0.8	0.8	1.6	1.6	4.0	6.4	8.0	7.2	9.7	—
	28	3.2	2.4	2.4	1.6	1.6	2.4	3.2	2.4	6.4	7.2	8.0	8.0	—
	29	0.0	0.8	0.8	1.6	0.8	0.8	3.2	1.6	3.2	4.8	5.6	10.5	—
	30	0.0	0.0	1.6	2.4	1.6	1.6	1.6	3.2	4.8	6.4	6.4	5.6	—
Hourly Means.		1.25	1.49	1.87	1.28	1.28	1.39	2.24	3.52	6.09	7.98	8.50	9.39	—
Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
A P R I L.	1	9.7	4.0	4.8	1.6	0.0	0.0	0.0	0.8	0.8	0.0	0.0	0.0	3.78
	2	9.7	12.9	12.9	12.1	6.4	3.2	0.0	0.0	0.8	1.6	1.6	0.8	4.53
	3	8.0	8.0	4.8	4.8	3.2	0.8	2.4	1.6	0.8	0.8	0.0	1.6	3.04
	4	14.5	13.7	8.0	5.6	2.4	0.8	0.0	0.0	0.0	0.8	0.8	0.8	3.68
	5	6.4	4.8	6.4	4.8	2.4	0.0	0.8	0.0	0.8	0.0	0.0	0.8	3.13
	6	6.4	10.5	12.1	9.7	3.2	0.8	1.6	0.8	0.8	0.8	1.6	1.6	3.01
	7	16.1	10.5	8.0	10.5	8.0	3.2	2.4	3.2	2.4	4.8	1.6	4.0	4.85
	8	16.1	14.5	12.1	9.7	6.4	5.6	3.2	0.8	0.0	0.0	0.0	0.0	5.36
	9	11.3	6.4	6.4	5.6	2.4	0.0	3.2	4.8	4.8	4.0	2.4	2.4	3.57
	10	11.3	14.5	14.5	14.5	9.7	6.4	3.2	1.6	0.8	3.2	4.8	1.6	5.49
	11	16.1	14.5	13.7	10.5	10.5	3.2	0.8	0.8	0.0	0.0	0.0	0.0	6.34
	12	11.3	7.2	3.2	10.5	13.7	10.5	4.0	0.0	1.6	1.6	1.6	0.8	4.66
	13	12.9	4.8	3.2	3.2	4.0	8.0	3.2	0.8	1.6	1.6	0.8	0.0	4.15
	14	11.3	10.5	11.3	8.0	3.2	3.2	1.6	6.4	5.6	3.2	2.4	1.6	4.11
	15	9.7	12.9	11.3	3.2	2.4	0.0	1.6	0.8	0.8	0.0	0.0	0.0	2.75
	16	8.0	14.5	6.4	5.6	6.4	4.8	3.2	4.0	3.2	1.6	1.6	1.6	3.47
	17	11.3	11.3	12.1	12.1	9.7	10.5	8.9	7.2	6.4	6.4	8.0	6.4	7.21
	18	13.7	12.9	8.9	7.2	4.8	10.5	7.2	9.7	5.6	7.2	6.4	3.2	7.57
	19	17.7	14.5	14.5	12.9	8.0	6.4	2.4	4.0	6.4	4.0	2.4	1.6	7.06
	20	12.9	12.9	10.5	9.7	5.6	4.0	4.0	4.0	3.2	2.4	1.6	2.4	5.13
	21	8.0	4.0	5.6	7.2	4.0	2.4	0.8	0.0	0.0	0.0	0.8	0.0	3.41
	22	5.6	4.8	3.2	5.6	6.4	4.8	3.2	1.6	1.6	0.8	0.8	0.8	3.34
	23	8.9	10.5	7.2	5.6	4.0	1.6	6.4	1.6	0.8	1.6	3.2	1.6	3.68
	24	6.4	6.4	7.2	8.0	5.6	4.8	4.0	3.2	1.6	0.8	1.6	0.8	3.97
	25	4.8	7.2	9.7	6.4	6.4	4.8	4.0	3.2	3.2	0.8	0.8	1.6	3.70
	26	12.1	11.3	9.7	8.9	6.4	2.4	4.0	2.4	1.6	1.6	4.8	4.8	4.83
	27	12.1	6.4	4.0	1.6	0.0	0.0	0.8	0.8	1.6	4.0	1.6	2.4	3.34
	28	7.2	4.8	5.6	6.4	1.6	0.8	0.8	0.0	0.0	1.6	0.0	0.8	3.27
	29	12.1	13.7	14.5	13.7	11.3	3.2	4.8	4.8	3.2	1.6	1.6	0.8	4.96
	30	8.0	12.1	11.5	11.3	6.4	1.6	0.0	0.0	1.6	1.6	0.0	0.0	3.85
Hourly Means.		10.65	9.90	8.88	7.88	5.48	3.61	2.75	2.30	2.05	1.95	1.76	1.49	4.37

CLOUDS.													
CLEAR = 0. — OVERCAST = 10.													
Mean Batavia Time.	1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
A P R I L.	1	2	3	2	2	3	6	8	10	9	7	9	—
	2	6	6	5	6	6	6	5	4	3	4	3	—
	3	3	3	2	2	2	6	5	4	7	10	10	—
	4	7	2	1	2	3	4	4	2	4	5	6	—
	5	5	5	3	4	9	9	7	6	7	9	9	—
	6	9	8	9	7	8	7	10	7	8	7	5	—
	7	4	6	7	4	4	4	3	2	4	5	5	—
	8	10	10	10	10	10	10	10	6	5	7	6	—
	9	3	2	3	1	2	3	6	4	6	3	8	—
	10	5	5	6	5	6	6	7	4	2	3	4	—
	11	10	6	5	3	9	8	8	7	7	7	7	—
	12	6	5	8	4	4	4	2	3	3	4	4	—
	13	3	2	2	4	4	6	5	6	5	6	6	—
	14	9	8	8	3	3	4	7	6	5	6	6	—
	15	9	10	10	10	9	7	7	4	7	7	8	—
	16	6	6	7	6	5	4	6	4	4	5	6	—
	17	5	4	6	7	7	4	3	5	6	6	9	—
	18	6	8	9	10	10	10	7	8	6	5	6	—
	19	5	10	10	10	10	10	10	9	9	9	10	—
	20	10	9	9	9	6	6	9	2	7	3	9	—
	21	4	4	3	4	2	2	6	6	7	4	5	—
	22	7	10	7	8	7	6	7	4	3	2	4	—
	23	2	3	4	6	8	4	4	3	4	6	2	—
	24	2	9	4	2	0	0	2	1	1	1	2	—
	25	3	2	2	2	3	4	2	1	1	2	4	—
	26	5	3	3	4	5	5	6	8	5	4	3	—
	27	8	8	9	6	6	7	2	3	3	4	7	—
	28	6	8	7	7	9	9	6	8	6	9	10	—
	29	3	4	3	2	1	1	3	4	5	4	7	—
	30	2	2	3	2	3	4	1	1	2	6	5	—
Hourly Means.	5.5	5.7	5.6	5.1	5.5	5.6	5.6	4.7	5.1	5.0	5.8	6.4	—
Mean Batavia Time.	1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
A P R I L.	1	10	9	9	9	9	9	7	5	5	4	4	6.3
	2	9	7	5	5	5	6	3	3	4	5	3	4.8
	3	9	9	9	7	6	7	7	7	9	9	9	6.5
	4	4	6	9	10	10	10	7	7	5	4	3	5.2
	5	8	9	10	10	9	10	9	10	9	8	9	8.0
	6	7	7	6	7	6	5	4	6	5	4	5	6.6
	7	5	9	7	7	7	6	4	3	4	7	10	5.5
	8	5	6	5	4	6	6	7	7	6	5	5	7.0
	9	10	10	10	10	10	10	10	10	9	5	4	6.3
	10	7	7	6	8	8	7	7	9	8	10	10	6.4
	11	6	8	10	9	10	10	7	4	3	2	2	6.6
	12	5	7	9	7	5	6	3	3	2	2	3	4.3
	13	10	10	10	9	10	9	9	9	8	7	9	6.9
	14	7	7	8	9	10	10	9	9	10	10	9	7.5
	15	7	6	9	10	10	10	7	8	7	8	7	8.0
	16	6	8	9	7	4	5	3	4	5	3	3	5.3
	17	9	9	9	5	6	6	8	9	9	10	9	6.9
	18	9	9	10	10	10	10	10	10	9	7	9	8.5
	19	7	6	6	9	10	9	10	10	10	9	10	9.1
	20	9	6	4	7	4	4	6	5	4	6	6	6.4
	21	9	8	5	4	6	8	6	3	3	4	4	4.8
	22	8	9	8	6	6	5	3	2	2	3	1	5.2
	23	5	4	6	6	5	6	5	3	2	3	2	4.3
	24	2	5	6	4	3	4	2	2	1	1	2	2.5
	25	4	3	4	3	4	5	2	1	7	8	7	3.5
	26	2	4	4	6	7	8	7	5	5	6	5	5.2
	27	8	9	9	9	9	7	6	6	4	7	9	6.4
	28	10	9	9	8	8	5	3	2	2	1	2	6.3
	29	6	6	7	7	5	6	7	8	7	4	3	4.8
	30	7	4	2	2	4	6	3	4	5	6	7	3.8
Hourly Means.	7.0	7.2	7.3	7.1	7.1	7.2	6.0	5.8	5.6	5.7	5.7	5.5	6.0

BAROMETRIC PRESSURE.

BAROMETER AT 0°C = 750 MILLIMETRES + THE NUMBERS IN THE TABLE.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
M A Y.	1	8.44	7.96	7.77	7.55	7.57	7.81	8.38	8.55	8.52	8.38	7.92	7.49	—
	2	8.00	7.75	7.76	7.46	7.81	8.01	8.17	8.69	8.87	8.69	8.35	7.52	—
	3	8.93	8.40	8.15	7.66	8.08	8.40	8.56	8.93	9.27	9.27	8.91	8.38	—
	4	8.45	7.91	7.67	7.69	7.85	8.26	8.72	9.06	9.17	9.00	8.61	8.08	—
	5	8.44	8.30	7.95	7.74	7.75	7.82	8.20	8.95	9.25	9.20	9.14	8.45	—
	6	8.44	8.15	7.87	7.54	7.65	7.86	8.32	8.86	9.15	9.21	8.89	8.33	—
	7	8.39	7.74	7.69	7.66	7.59	7.96	8.27	8.65	8.82	8.78	8.48	7.96	—
	8	8.19	7.86	7.84	7.88	8.20	8.39	9.16	9.29	9.34	8.96	8.55	7.99	—
	9	8.20	8.13	7.85	7.89	8.06	8.37	8.86	9.24	9.48	9.17	9.02	8.38	—
	10	9.20	8.92	8.75	8.77	8.82	9.05	9.49	9.92	9.83	9.72	9.52	8.51	—
	11	8.51	8.22	7.87	7.62	7.86	8.12	8.77	9.09	9.12	8.89	8.13	7.52	—
	12	7.34	7.34	7.11	7.40	7.55	7.96	8.49	8.81	8.99	8.82	8.51	7.51	—
	13	7.89	7.40	7.27	7.27	7.51	7.77	8.36	8.74	9.00	8.71	8.10	7.46	—
	14	8.21	7.84	7.60	7.61	7.92	8.00	8.36	8.41	8.65	8.66	8.08	7.37	—
	15	7.64	7.45	7.05	6.86	7.26	7.57	8.07	8.41	8.92	8.95	8.79	7.95	—
	16	8.59	8.14	7.65	7.71	7.77	8.04	8.74	9.01	9.47	9.20	9.03	8.45	—
	17	8.31	7.75	7.36	7.31	7.52	7.88	8.42	8.96	9.01	8.95	8.63	8.00	—
	18	8.35	7.90	7.72	7.41	7.55	7.82	8.16	8.56	8.61	8.69	8.25	7.47	—
	19	8.35	8.07	7.90	7.72	7.70	7.72	8.00	8.36	8.66	8.53	8.32	7.81	—
	20	8.06	7.85	7.46	7.37	7.45	7.81	8.32	8.71	8.76	8.63	8.79	8.62	—
	21	8.90	8.16	7.98	7.80	7.66	7.82	8.10	8.68	8.82	8.70	8.44	8.01	—
	22	8.01	7.57	7.31	7.29	7.61	7.87	8.31	8.67	9.06	8.99	8.70	8.34	—
	23	8.15	7.76	7.30	7.17	7.25	7.22	7.67	7.87	7.96	7.69	7.22	6.63	—
	24	7.10	6.73	6.50	6.31	6.54	6.87	7.05	7.54	7.71	7.51	7.22	6.48	—
	25	7.02	6.70	6.39	6.16	6.60	6.73	7.25	7.72	8.02	7.95	7.53	6.93	—
	26	7.69	7.21	6.92	6.91	6.95	7.41	7.72	8.09	8.47	8.43	8.39	7.71	—
	27	8.46	7.72	7.72	7.92	8.07	8.67	8.85	9.36	9.84	9.40	9.08	8.52	—
	28	8.26	7.87	7.58	7.53	8.13	8.28	9.15	9.66	9.89	9.43	8.86	8.43	—
	29	8.65	8.11	8.00	7.92	8.41	8.62	8.94	9.65	9.74	9.55	9.17	8.56	—
	30	8.80	8.57	8.19	8.26	8.58	8.90	9.30	9.71	10.12	9.69	9.26	8.58	—
	31	9.34	9.14	8.82	8.50	8.53	8.88	9.51	10.14	10.33	10.07	9.56	8.89	—
Hourly Means.		8.27	7.89	7.65	7.54	7.74	8.00	8.44	8.85	9.06	8.90	8.56	7.95	—
Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
M A Y.	1	6.78	6.34	5.93	5.53	6.33	7.46	7.62	8.16	8.78	9.04	8.80	8.47	7.73
	2	7.03	6.43	5.85	5.83	7.32	8.49	8.46	8.74	9.32	9.63	9.79	9.37	8.06
	3	7.99	7.63	7.51	7.54	7.69	8.12	8.84	9.53	9.70	9.68	9.48	9.17	8.58
	4	7.57	6.88	6.54	6.69	7.03	7.10	8.02	8.50	9.13	9.47	9.18	8.79	8.14
	5	7.84	7.56	7.26	7.18	7.39	7.87	8.01	8.54	8.88	8.70	8.85	8.61	8.25
	6	7.70	7.15	6.74	6.64	6.82	6.87	7.30	7.93	8.41	8.68	8.86	8.71	8.00
	7	6.97	6.24	5.96	5.90	6.07	6.67	7.27	8.11	8.50	8.68	8.74	8.57	7.74
	8	7.37	7.13	6.46	6.30	6.66	7.02	7.62	8.43	8.83	9.03	9.04	8.88	8.10
	9	7.58	7.02	6.71	6.61	6.93	7.43	8.01	8.71	9.22	9.53	9.59	9.55	8.31
	10	8.03	7.61	7.02	7.23	7.63	8.19	9.04	9.37	9.42	9.48	8.94	8.80	8.80
	11	7.06	6.28	5.98	5.71	6.17	7.03	7.41	8.01	8.49	8.54	8.28	7.80	7.77
	12	6.61	6.11	5.80	5.86	6.78	7.37	8.26	8.67	9.06	9.17	8.90	8.73	7.80
	13	6.88	6.58	6.32	6.53	7.26	7.39	8.03	8.22	8.45	8.49	8.48	8.35	7.77
	14	6.43	6.08	5.82	5.81	6.32	7.27	7.82	7.95	8.30	8.95	8.76	8.52	7.70
	15	7.40	6.78	6.37	6.44	6.63	6.83	7.18	7.70	8.24	8.71	8.79	8.75	7.70
	16	7.99	7.42	6.77	6.77	6.81	7.08	7.59	7.89	8.48	8.85	8.66	8.54	8.11
	17	7.46	7.04	6.44	6.28	6.64	6.81	7.22	7.78	8.39	8.61	8.74	8.80	7.85
	18	7.21	6.63	6.36	6.34	6.52	6.76	7.32	7.78	8.28	8.64	8.83	8.40	7.73
	19	7.29	6.63	6.41	6.32	6.67	6.83	7.01	7.27	7.93	8.36	8.44	8.39	7.70
	20	8.47	8.64	7.86	7.79	8.09	7.97	8.07	8.47	8.97	9.70	9.14	9.16	8.35
	21	7.06	6.73	6.06	5.92	6.29	6.80	7.47	8.05	8.61	8.69	8.56	8.49	7.83
	22	7.62	7.06	6.52	6.41	6.56	7.04	7.66	8.43	8.73	8.88	8.80	8.68	7.92
	23	6.18	5.83	5.68	5.69	5.82	6.06	6.56	7.37	7.62	7.75	7.69	7.60	7.07
	24	6.07	5.51	5.31	5.42	5.62	5.83	6.28	6.64	7.22	7.66	7.58	7.40	6.67
	25	6.34	6.17	5.81	6.02	6.47	7.07	7.34	7.55	7.87	8.16	7.93	7.81	7.06
	26	7.09	6.83	6.48	6.41	7.24	7.66	8.68	8.83	9.11	9.48	9.21	9.07	7.83
	27	7.77	7.26	6.89	6.94	7.08	7.72	7.54	8.10	8.56	8.92	8.92	8.75	8.25
	28	7.98	7.33	6.94	6.91	7.41	7.63	8.44	8.98	9.25	9.48	9.25	8.84	8.40
	29	7.78	7.45	7.20	7.22	7.62	7.86	8.04	8.43	8.90	9.25	9.49	9.32	8.50
	30	8.13	7.54	7.33	7.24	7.31	7.87	8.55	9.06	9.54	9.88	9.72	9.73	8.74
	31	8.42	7.83	7.41	7.42	7.51	7.97	8.57	8.80	8.90	8.95	9.02	8.86	8.81
Hourly Means.		7.36	6.89	6.51	6.48	6.86	7.29	7.78	8.26	8.68	8.94	8.86	8.67	7.98

STANDARD THERMOMETER.

Mean Batavia Time.		1 A.M.	2	3	4	5	6	7	8	9	10	11	12	—
MAY.	1	76.8	76.4	76.0	75.4	74.5	74.2	75.0	77.6	80.9	83.2	85.3	85.6	—
	2	76.7	76.5	76.5	76.3	75.7	75.1	76.0	78.5	81.4	84.0	85.2	87.0	—
	3	73.8	73.5	73.3	73.1	73.1	73.0	73.2	74.9	77.8	80.5	81.7	83.2	—
	4	76.8	76.4	76.2	75.9	75.7	75.6	76.0	77.0	78.3	80.3	82.9	84.2	—
	5	78.0	77.8	75.6	75.8	75.6	75.5	75.8	77.3	79.9	82.9	83.9	84.7	—
	6	75.8	75.4	75.0	74.6	74.5	74.4	75.0	76.4	78.4	79.7	82.0	83.9	—
	7	77.8	77.0	76.9	76.5	75.6	74.8	76.0	78.6	82.2	84.4	86.0	87.2	—
	8	78.5	78.0	77.5	77.0	76.2	76.0	76.5	78.1	80.6	83.1	84.3	86.0	—
	9	77.2	76.7	76.1	75.9	75.5	74.9	75.6	78.0	81.2	84.0	85.0	86.3	—
	10	76.0	75.8	75.3	75.0	75.0	75.0	75.5	78.5	81.1	84.0	85.5	86.4	—
	11	75.5	75.5	75.2	75.0	74.7	74.7	75.4	76.9	81.0	84.0	86.5	88.0	—
	12	77.3	76.3	75.9	76.1	75.9	75.5	76.0	79.0	81.9	85.1	87.0	87.7	—
	13	77.1	76.9	76.2	75.7	75.5	75.0	75.0	78.0	81.2	83.1	85.5	85.1	—
	14	76.2	76.0	76.0	75.7	75.4	75.2	75.2	76.4	80.0	81.4	83.9	84.8	—
	15	75.5	75.0	75.0	75.0	74.9	75.0	75.4	76.5	78.6	80.2	81.6	82.2	—
	16	77.2	77.2	77.0	76.9	76.7	76.5	77.0	78.0	78.0	79.0	80.9	82.0	—
	17	76.4	75.9	75.4	75.0	74.7	74.0	74.0	77.0	80.0	83.0	85.0	85.1	—
	18	78.5	77.7	76.9	76.0	75.4	75.0	75.3	77.1	80.6	83.2	84.9	85.6	—
	19	76.4	75.9	75.6	75.0	74.5	74.0	74.7	78.5	81.7	84.0	85.3	85.9	—
	20	77.0	76.8	76.4	76.0	75.5	75.0	75.9	78.4	82.6	84.5	86.0	85.9	—
	21	75.2	75.0	74.4	74.1	73.8	73.3	74.0	76.0	79.8	82.7	85.0	85.0	—
	22	77.0	76.7	76.0	75.2	75.3	75.0	75.6	79.1	82.9	85.0	86.0	86.2	—
	23	77.4	77.0	76.3	76.0	75.5	75.0	75.5	77.7	80.6	83.2	86.0	86.6	—
	24	78.0	77.6	77.0	76.5	76.3	75.5	75.7	77.7	80.8	82.9	85.8	87.0	—
	25	76.3	75.8	75.1	74.6	74.0	73.7	74.8	78.1	81.0	83.1	85.0	85.7	—
	26	77.1	76.8	76.3	76.0	75.4	75.0	75.5	77.8	80.3	82.5	84.5	85.0	—
	27	74.7	74.7	74.9	74.9	74.6	74.6	75.1	76.1	78.0	80.6	83.3	83.5	—
	28	74.6	74.8	74.8	75.0	75.0	74.8	74.8	75.3	76.7	79.0	81.5	83.1	—
	29	77.6	76.9	76.4	75.8	75.3	75.0	75.6	77.8	81.4	83.0	85.2	84.3	—
	30	75.5	75.2	74.8	74.6	74.4	74.2	75.0	78.0	80.8	82.5	83.4	85.2	—
	31	76.3	75.8	75.2	74.8	74.8	74.4	75.0	77.2	80.0	82.8	85.0	84.5	—
Hourly Means.		76.59	76.23	75.78	75.46	75.13	74.80	75.33	77.47	80.31	82.61	84.49	85.25	—
Mean Batavia Time.		1 P.M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
MAY.	1	86.7	86.9	86.1	85.0	83.9	80.1	78.4	77.0	77.2	77.3	77.0	77.0	79.73
	2	87.6	87.3	87.0	85.4	81.1	74.0	74.2	73.8	73.6	74.0	73.9	73.5	78.93
	3	85.1	84.5	83.3	82.8	82.0	81.1	80.6	79.6	78.7	78.0	77.4	77.2	78.39
	4	85.0	85.5	85.9	85.5	83.6	82.5	81.2	80.0	79.2	79.0	78.2	78.0	79.95
	5	85.1	84.9	83.6	82.1	80.7	80.1	78.5	77.5	76.9	76.6	76.5	76.0	79.22
	6	85.0	84.5	84.1	83.3	82.6	82.1	81.3	80.4	79.6	79.4	79.2	78.5	79.38
	7	87.4	88.0	88.3	87.2	85.6	83.9	82.7	81.9	81.1	80.7	79.7	79.2	81.61
	8	87.4	86.1	86.1	86.6	85.2	83.5	82.4	80.8	80.4	79.6	78.7	78.0	81.11
	9	87.5	86.5	86.0	85.5	84.9	83.6	82.5	81.5	80.0	78.1	77.3	76.3	80.67
	10	86.2	80.8	81.9	82.8	82.9	82.1	78.1	76.5	75.7	75.6	75.8	75.5	79.04
	11	87.3	88.2	89.0	87.2	85.3	83.7	83.0	81.8	81.2	79.5	79.0	78.0	81.07
	12	88.2	87.6	86.8	86.4	84.7	84.0	78.0	77.5	77.6	77.4	77.2	77.4	80.69
	13	87.6	87.2	86.0	84.2	84.0	82.1	80.1	78.9	77.9	77.4	77.0	76.7	80.14
	14	86.3	86.0	86.1	85.2	84.4	78.5	77.1	76.4	75.9	76.0	76.1	75.8	79.17
	15	82.2	82.4	82.4	82.1	81.1	80.1	79.4	78.6	78.2	77.6	77.4	77.2	78.48
	16	83.4	84.0	84.0	83.7	82.2	80.9	80.0	79.4	79.0	78.4	77.9	77.0	79.43
	17	85.5	84.8	85.5	84.7	83.8	82.2	80.7	80.0	79.0	79.0	78.5	78.5	79.90
	18	86.3	87.1	87.0	86.5	85.0	83.0	81.6	80.4	79.3	78.2	77.9	77.0	80.65
	19	87.0	88.0	87.5	86.3	84.6	83.0	81.5	80.5	80.0	79.3	78.5	78.0	80.65
	20	79.0	75.4	75.2	76.4	76.4	75.1	74.6	74.7	75.0	75.5	75.5	75.5	77.43
	21	85.4	81.1	85.2	84.7	83.2	81.8	81.0	80.2	79.3	78.5	78.1	77.6	79.35
	22	87.2	87.9	87.7	86.2	84.7	83.0	81.6	80.0	79.6	79.0	78.6	78.0	80.98
	23	87.0	86.2	85.8	85.2	84.2	83.1	81.9	81.0	80.0	79.6	79.0	78.5	80.76
	24	87.6	86.6	86.6	85.6	84.6	83.1	81.2	80.0	79.0	78.2	77.3	77.0	80.73
	25	87.4	87.3	87.1	85.9	84.9	83.0	81.6	80.5	80.1	79.3	78.6	77.9	80.45
	26	86.5	86.0	85.4	84.8	83.5	82.2	76.2	76.0	75.4	75.6	75.4	75.2	79.35
	27	84.5	84.6	84.3	83.9	83.2	80.0	77.9	76.9	76.0	75.2	75.0	74.7	78.38
	28	84.1	84.8	84.8	84.0	83.4	81.6	80.0	79.5	78.8	78.5	78.1	78.0	78.96
	29	83.3	79.5	79.0	81.2	81.2	79.7	78.7	78.0	77.1	76.9	76.5	76.0	78.81
	30	85.8	85.0	85.0	84.6	83.8	82.1	80.5	79.9	78.9	78.1	77.5	76.8	79.65
	31	83.8	84.4	84.6	83.2	82.4	81.6	80.4	79.9	78.7	77.9	77.5	76.8	79.46
Hourly Means.		85.75	85.13	85.07	84.46	83.33	81.51	79.90	79.00	78.34	77.85	77.43	76.99	79.76

RELATIVE HUMIDITY OF THE AIR.

SATURATION = 1000.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
M A Y.	1	924	940	940	931	947	982	930	884	812	747	718	733	—
	2	940	940	940	948	948	966	931	885	791	741	725	652	—
	3	938	946	955	955	964	973	973	947	877	857	807	705	—
	4	906	923	923	940	948	948	931	900	885	834	718	742	—
	5	908	908	923	940	948	948	948	932	856	732	735	717	—
	6	931	948	956	965	956	965	947	915	885	840	799	714	—
	7	941	958	966	966	966	947	923	869	744	695	706	629	—
	8	885	901	916	899	906	873	906	877	805	719	695	688	—
	9	916	932	931	931	923	939	931	893	784	707	677	675	—
	10	906	905	930	947	947	947	931	862	806	715	699	689	—
	11	931	931	939	947	956	956	947	924	806	735	645	625	—
	12	941	957	957	948	957	957	931	878	792	710	641	625	—
	13	883	891	923	931	939	956	974	877	792	754	692	711	—
	14	932	940	931	940	948	957	947	924	871	813	734	716	—
	15	966	966	966	966	965	956	974	957	902	864	837	765	—
	16	949	949	958	957	957	966	966	925	892	878	850	800	—
	17	940	957	966	966	965	965	965	756	700	696	677	645	—
	18	901	907	906	898	914	913	897	859	702	685	620	641	—
	19	915	923	914	922	921	930	888	799	720	661	678	674	—
	20	875	866	882	899	914	922	890	821	703	663	636	668	—
	21	922	930	947	956	956	956	965	915	817	739	697	772	—
	22	932	940	957	947	939	956	940	863	760	690	681	668	—
	23	932	941	940	948	948	947	939	893	843	776	669	645	—
	24	942	941	957	966	940	931	914	876	820	767	617	609	—
	25	932	923	922	922	912	912	897	829	783	732	665	668	—
	26	907	932	923	915	914	930	931	860	811	759	689	718	—
	27	965	965	956	956	973	973	957	957	908	819	767	761	—
	28	930	939	939	947	947	965	965	922	907	878	807	796	—
	29	907	924	932	923	931	939	923	867	791	774	718	820	—
	30	948	957	974	973	973	965	965	917	827	787	782	698	—
	31	940	931	939	947	947	956	947	900	841	752	690	702	—
Hourly Means.		925	933	939	942	944	948	938	887	814	759	712	699	—
Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
M A Y.	1	696	658	681	684	706	781	845	907	916	907	932	940	839
	2	643	704	723	759	690	921	938	938	938	921	929	965	853
	3	697	716	760	773	814	865	872	886	926	917	892	900	871
	4	678	654	649	672	719	773	836	855	886	902	917	908	835
	5	704	710	734	807	789	825	901	916	924	932	948	940	859
	6	697	729	742	775	765	800	843	864	902	909	918	926	862
	7	686	656	645	691	739	776	801	844	865	880	894	902	820
	8	629	707	675	677	731	789	830	880	887	910	926	925	818
	9	630	695	714	733	725	804	845	866	855	844	883	890	822
	10	675	789	806	794	787	815	806	833	889	872	898	905	840
	11	705	638	617	704	752	796	809	837	873	918	902	925	826
	12	626	680	697	729	771	783	867	916	907	900	907	900	832
	13	661	665	674	736	762	807	848	878	892	900	916	916	832
	14	669	720	720	684	743	869	891	915	923	940	957	957	860
	15	744	773	787	786	820	848	879	902	926	941	941	941	891
	16	725	721	721	748	750	797	848	878	894	926	925	932	871
	17	667	690	692	682	741	800	826	855	878	878	893	893	821
	18	619	592	573	608	703	753	799	849	878	901	901	907	789
	19	679	656	636	663	764	775	836	849	863	870	869	868	803
	20	869	939	947	940	890	914	939	939	930	914	914	905	866
	21	686	850	704	743	795	837	857	879	894	918	908	925	857
	22	641	631	612	662	751	824	851	895	902	918	918	925	825
	23	709	714	712	725	770	817	844	865	903	903	918	933	843
	24	694	730	730	773	821	774	820	879	893	884	907	916	838
	25	654	692	757	795	842	913	928	864	856	886	893	901	837
	26	683	688	712	724	768	837	923	905	930	939	957	966	847
	27	708	716	736	783	817	903	884	907	873	905	922	930	877
	28	756	723	723	721	740	836	848	870	901	908	917	917	867
	29	840	951	926	791	828	864	926	933	941	940	948	948	887
	30	700	744	765	813	870	921	943	935	918	917	925	932	881
	31	761	763	778	810	852	897	888	919	950	958	941	957	874
Hourly Means.		695	719	721	741	775	829	864	886	900	908	917	922	847

DIRECTION OF THE WIND.

Mean Batavia Time.	1 A.M.	2	3	4	5	6	7	8	9	10	11	12	
MAY.	1	N	C	C	C	N	N	N	N	WNW	W	NNW	NNE
	2	SSW	SSW	SSW	C	SSW	SSW	SSW	SSW	SSE	ESE	E	E
	3	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	ESE	ESE
	4	ESE	SSE	C	ESE	C	C	ESE	C	ESE	ESE	ESE	ESE
	5	E	E	E	ENE	C	C	ENE	ENE	ENE	ENE	ENE	ENE
	6	SW	SW	C	C	SW	SW	SW	SW	SW	SW	SW	ESE
	7	WSW	SW	C	SW	SW	SW	SW	SW	SSW	E	ENE	E
	8	ESE	ESE	SE	SE	SE	SE	SE	SE	SE	E	NE	ENE
	9	NE	NE	NE	C	C	NE	NE	NE	ESE	ESE	E	ENE
	10	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NE	NE	NNE
	11	C	C	C	C	C	C	C	S	ESE	E	ESE	ENE
	12	C	C	C	C	C	C	C	C	ESE	ESE	ESE	ENE
	13	S	S	S	C	C	C	C	S	SSW	W	NW	NW
	14	C	C	C	C	C	C	C	ESE	ESE	ESE	SE	E
	15	E	ESE	C	C	C	C	C	C	E	ENE	NE	NE
	16	C	C	C	C	C	C	C	E	C	C	NW	NE
	17	C	N	NNW	C	WNW	WNW	W	SW	SSW	SSW	ENE	ENE
	18	C	C	C	C	C	C	C	C	NNE	E	ESE	ENE
	19	C	C	ENE	ENE	ENE	NNE	ENE	SE	SE	SE	ESE	ESE
	20	ESE	C	C	C	C	ESE	ESE	S	SE	ESE	ESE	ENE
	21	SE	C	C	C	C	C	C	SE	ESE	ESE	ESE	ESE
	22	E	C	E	C	C	C	E	E	ESE	SE	SE	ESE
	23	C	C	C	C	C	C	NE	NE	NE	NE	ESE	SE
	24	C	C	C	C	C	NNE	NNE	NNE	ESE	SE	ESE	ENE
	25	C	C	C	C	C	C	N	WNW	WSW	SW	W	WSW
	26	N	C	C	C	C	C	C	N	N	NNE	NE	NE
	27	ESE	C	C	C	C	C	C	SE	SE	SE	NE	NNE
	28	C	C	C	C	C	C	C	C	SSW	SSW	SSE	ENE
	29	C	C	C	C	C	C	C	C	E	E	NE	ENE
	30	C	C	C	C	C	C	C	ESE	ESE	ESE	SE	E
	31	C	C	C	C	C	C	C	NE	ESE	ESE	SE	E

Mean Batavia Time.	1 P. M.	2	3	4	5	6	7	8	9	10	11	12
M A Y.	1	NE	NNE	NNE	N	N	SSW	SSW	SSW	SSW	SSW	SSW
	2	ENE	NNE	NE	NE	WNW	SW	SW	SSW	SW	SSE	SSE
	3	ENE	NE	ENE	ENE	ENE	ENE	E	E	E	ESE	ESE
	4	ENE	E	ENE	ENE	E	E	E	E	E	E	E
	5	NNE	N	N	N	N	NNW	W	SW	SW	SW	C
	6	ENE	NE	N	NNE	N	N	C	C	C	C	N
	7	NE	NE	NE	NE	ENE	ENE	ENE	ENE	ENE	ENE	ENE
	8	ENE	N	NNE	NE	NE	NE	NE	NE	NE	NE	NE
	9	ENE	NE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE
	10	NE	ENE	E	ENE	ENE	NNE	SSW	S	S	C	C
	11	NE	N	ENE	NE	ENE	ENE	ENE	C	C	C	C
	12	ENE	N	NE	NNE	NNE	NNE	SSW	SSW	C	SSW	SSW
	13	NNE	NNE	N	N	NNE	E	ESE	ESE	C	C	C
	14	NE	NNE	NE	NNE	NNE	SW	SE	SE	C	ESE	E
	15	ENE	ENE	ENE	ENE	ENE	E	C	C	C	C	C
	16	N	NNE	NNW	N	N	C	C	C	C	C	C
	17	ENE	NE	N	N	N	C	C	C	C	C	C
	18	ENE	ENE	E	ENE	ENE	ENE	ENE	C	C	C	C
	19	E	ENE	ENE	ENE	ENE	E	E	C	E	E	E
	20	NE	NE	NE	ENE	E	E	SSE	SSE	SSE	SE	SE
	21	E	SE	E	E	E	E	E	C	E	C	E
	22	E	ENE	ENE	NE	NE	NE	NE	C	C	C	C
	23	NNE	NE	NNE	NE	NE	NNE	C	C	C	C	C
	24	NNE	NNE	NNE	NNE	N	C	C	C	C	C	C
	25	N	N	N	N	N	N	C	C	C	C	C
	26	N	N	NNE	N	N	NNW	SSW	SSW	SSE	SE	ESE
	27	NE	N	N	NE	N	SSW	SSW	SSW	C	C	C
	28	ENE	NE	N	NE	NNE	NNE	C	C	C	C	ENE
	29	ENE	ENE	W	E	E	E	C	C	C	C	C
	30	ESE	ENE	NE	NE	NE	NE	C	C	C	C	C
	31	NE	NE	NE	NNE	NE	NE	ENE	ENE	ENE	ESE	ESE

VELOCITY OF THE WIND IN KILOMETERS PER HOUR.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
M A Y.	1	0.8	0.0	0.0	0.0	1.6	0.8	1.6	4.0	4.8	4.0	7.2	9.7	—
	2	1.6	0.8	0.8	0.0	0.8	1.6	2.4	5.6	6.4	8.0	9.7	12.1	—
	3	6.4	4.8	2.4	0.8	0.8	0.8	1.6	1.6	2.4	5.6	6.4	8.0	—
	4	3.2	0.8	0.0	0.8	0.0	0.0	0.8	0.0	2.4	3.2	8.0	10.5	—
	5	3.2	3.2	3.2	1.6	0.0	0.0	0.8	0.8	2.4	4.0	6.4	4.0	—
	6	0.8	0.8	0.0	0.0	0.8	1.6	0.8	1.6	1.6	2.4	4.0	6.4	—
	7	7.2	4.8	0.0	2.4	4.0	1.6	3.2	1.6	5.6	8.0	9.7	12.1	—
	8	4.8	3.2	4.8	1.6	0.8	1.6	3.2	1.6	3.2	6.4	8.9	7.2	—
	9	3.2	2.4	2.4	0.0	0.0	3.2	2.4	3.2	7.2	9.7	9.7	10.5	—
	10	1.6	0.8	0.8	1.6	1.6	1.6	3.2	2.4	3.2	8.0	8.0	11.3	—
	11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	4.8	8.0	10.5	14.5	—
	12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	4.8	8.0	7.2	—
	13	1.6	0.8	0.8	0.0	0.0	0.0	0.0	0.8	2.4	2.4	2.4	3.2	—
	14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	1.6	3.2	5.6	—
	15	1.6	0.8	0.0	0.0	0.0	0.0	0.0	0.0	1.6	3.2	4.8	6.4	—
	16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	0.0	0.0	1.6	3.2	—
	17	0.0	1.6	1.6	0.0	0.8	1.6	4.0	4.0	3.2	3.2	5.6	4.8	—
	18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.8	10.5	8.0	12.9	—
	19	0.0	0.0	0.8	0.8	0.8	0.8	1.6	5.6	9.7	14.5	14.5	12.1	—
	20	0.8	0.0	0.0	0.0	0.0	0.8	0.8	4.8	8.0	13.7	16.1	15.3	—
	21	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.8	5.6	10.5	14.5	14.5	—
	22	0.8	0.0	0.8	0.0	0.0	0.0	0.8	4.8	12.9	12.1	9.7	6.4	—
	23	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	2.4	3.2	8.0	8.0	—
	24	0.0	0.0	0.0	0.0	0.0	0.8	1.6	1.6	3.2	1.6	6.4	7.2	—
	25	0.0	0.0	0.0	0.0	0.0	0.0	0.8	3.2	3.2	2.4	3.2	2.4	—
	26	0.8	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	1.6	3.2	2.4	—
	27	0.8	0.0	0.0	0.0	0.0	0.0	0.0	1.6	0.8	2.4	4.8	3.2	—
	28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	4.0	5.6	—
	29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	4.0	6.4	3.2	—
	30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	6.4	8.0	8.0	10.5	—
	31	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	3.2	6.4	4.8	3.2	—
Hourly Means.		1.29	0.80	0.59	0.31	0.39	0.54	0.98	1.88	3.85	5.62	7.28	7.86	—
Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
M A Y.	1	9.7	12.1	12.9	9.7	8.0	7.2	2.4	4.0	3.2	3.2	0.8	1.6	4.55
	2	13.7	14.5	12.1	12.9	9.7	6.4	4.0	6.4	6.4	6.4	6.4	7.2	6.50
	3	8.0	14.5	15.3	14.5	4.8	4.0	9.7	4.8	4.8	5.6	5.6	3.2	5.68
	4	14.5	12.9	13.7	12.1	8.0	1.6	0.8	0.8	0.8	0.8	1.6	1.6	4.12
	5	4.8	8.9	9.7	12.1	7.2	3.2	6.4	4.8	4.0	3.2	0.0	0.0	3.91
	6	8.9	10.5	8.9	5.6	2.4	0.8	0.0	0.0	0.0	0.0	2.4	7.2	2.81
	7	11.3	8.9	13.7	16.9	14.5	7.2	4.0	1.6	0.8	1.6	3.2	3.2	6.13
	8	12.9	13.7	14.5	13.7	9.7	4.8	1.6	0.8	1.6	1.6	3.2	4.0	5.39
	9	11.3	12.9	12.9	10.5	9.7	4.0	0.8	2.4	4.0	3.2	2.4	2.4	5.43
	10	16.1	2.4	4.0	4.8	2.4	2.4	11.3	4.8	2.4	2.4	0.0	0.0	4.05
	11	14.5	8.0	14.5	15.3	12.1	4.0	1.6	0.0	0.0	0.0	0.0	0.0	4.53
	12	8.0	11.3	10.5	10.5	7.2	8.0	6.4	0.8	0.0	0.8	3.2	4.8	3.88
	13	6.4	12.9	9.7	6.4	4.8	3.2	3.2	0.8	0.0	0.0	0.0	0.0	2.58
	14	8.9	8.0	8.0	8.9	6.4	7.2	2.4	1.6	0.0	3.2	1.6	0.0	2.84
	15	9.7	9.7	11.3	9.7	6.4	1.6	0.0	0.0	0.0	0.0	0.0	0.0	2.78
	16	3.2	4.8	2.4	3.2	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.87
	17	6.4	7.2	6.4	6.4	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.47
	18	11.3	9.7	12.1	10.5	8.0	4.8	0.8	0.0	0.0	0.0	0.0	0.0	3.89
	19	16.1	18.5	16.1	16.9	12.1	4.8	0.8	0.0	1.6	1.6	3.2	3.2	6.50
	20	23.3	19.3	11.3	4.8	6.4	2.4	1.6	0.8	1.6	3.2	4.0	1.6	5.86
	21	13.7	9.7	14.5	12.1	9.7	6.4	3.2	0.0	0.8	0.0	0.8	0.8	4.93
	22	8.0	12.1	10.5	10.5	7.2	0.8	0.8	0.0	0.0	0.0	0.0	0.0	4.09
	23	9.7	12.1	12.9	12.1	7.2	1.6	0.0	0.0	0.0	0.0	0.0	0.0	3.28
	24	8.0	10.5	8.0	7.2	4.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.54
	25	8.0	8.9	7.2	6.4	4.0	1.6	0.0	0.0	0.0	0.0	0.0	0.0	2.14
	26	6.4	12.9	11.3	9.7	7.2	4.8	8.9	4.8	3.2	3.2	0.8	0.0	3.52
	27	7.2	8.0	10.5	9.7	4.8	4.8	0.8	0.8	0.0	0.0	0.0	0.0	2.51
	28	7.2	8.9	7.2	7.2	4.8	0.8	0.0	0.0	0.0	0.0	0.8	0.0	2.00
	29	4.0	2.4	3.2	7.2	5.6	0.8	0.0	0.0	0.0	0.0	0.0	0.8	1.70
	30	15.3	12.9	12.1	12.1	8.0	3.2	0.0	0.0	0.0	0.0	0.0	0.0	4.12
	31	8.9	13.7	12.1	8.0	5.6	3.2	1.6	0.8	0.8	1.6	2.4	1.6	3.28
Hourly Means.		10.17	10.74	10.63	9.92	6.84	3.41	2.36	1.32	1.16	1.34	1.37	1.39	3.84

CLOUDS.
CLEAR = 0. — OVERCAST = 10.

Mean Batavia Time.	1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—	
M A Y.	1	2	1	1	2	2	3	4	3	2	1	2	2	—
	2	7	8	6	7	8	6	3	3	4	5	7	—	
	3	10	10	10	7	6	9	9	6	8	9	7	—	
	4	2	4	7	8	7	8	6	8	8	8	9	—	
	5	9	9	10	10	6	7	8	9	8	7	9	—	
	6	5	3	3	2	3	10	9	10	9	9	9	—	
	7	9	6	7	7	7	8	4	1	1	2	3	—	
	8	8	6	7	3	3	5	4	5	5	6	5	—	
	9	2	1	1	2	1	2	1	1	0	3	5	—	
	10	2	2	1	1	1	3	2	1	2	3	3	—	
	11	9	7	4	3	3	4	5	4	2	2	1	—	
	12	6	9	6	5	4	6	5	3	3	3	3	—	
	13	9	7	7	5	3	3	3	4	4	8	6	—	
	14	2	3	2	2	2	2	3	6	4	8	9	—	
	15	10	9	9	9	9	9	9	9	9	9	9	—	
	16	10	10	10	9	9	10	9	9	9	9	9	—	
	17	7	5	4	7	6	6	7	6	4	4	5	—	
	18	10	6	2	4	8	10	10	6	6	5	6	—	
	19	1	1	1	1	0	0	3	3	3	6	8	—	
	20	7	7	7	6	7	9	8	6	6	7	8	—	
	21	10	10	10	9	9	9	7	5	5	4	6	—	
	22	9	6	5	4	6	6	5	4	3	3	9	—	
	23	4	2	2	1	2	3	3	2	2	1	2	—	
	24	4	2	2	1	2	4	1	0	0	1	1	—	
	25	3	3	5	6	5	6	1	1	1	2	4	—	
	26	3	4	4	3	3	6	6	5	6	5	5	—	
	27	10	9	8	10	10	10	10	10	9	7	6	—	
	28	3	5	7	9	9	10	10	10	10	6	10	—	
	29	3	1	1	2	3	3	3	4	4	5	5	—	
	30	7	5	3	5	3	6	1	1	2	3	7	—	
	31	2	3	3	3	3	4	6	4	5	5	6	—	
Hourly Means.	6.0	5.3	5.0	4.9	4.8	6.0	5.3	4.8	4.6	4.9	5.9	6.6	—	
Mean Batavia Time.	1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.	
M A Y.	1	2	1	1	7	8	9	8	10	8	4	6	3.8	
	2	5	6	8	10	10	10	10	10	10	10	10	7.2	
	3	8	8	10	10	10	10	9	6	3	3	2	7.8	
	4	10	8	9	6	10	10	8	5	3	9	10	7.5	
	5	10	10	10	10	10	10	10	9	10	10	6	9.0	
	6	8	9	9	10	9	9	8	7	8	7	4	7.3	
	7	2	3	2	2	4	9	8	3	4	6	5	4.4	
	8	7	5	3	2	1	1	2	2	1	3	2	3.9	
	9	7	6	5	4	3	4	2	10	7	4	3	3.5	
	10	6	9	7	5	5	7	10	10	10	10	10	5.1	
	11	1	2	7	7	8	9	8	6	9	10	5	5.1	
	12	5	5	5	6	7	9	9	6	8	9	7	5.9	
	13	7	7	8	9	9	10	9	9	7	4	5	6.5	
	14	7	6	6	5	9	10	10	10	10	10	10	6.4	
	15	10	10	9	9	9	8	10	10	10	10	10	9.3	
	16	6	7	6	6	5	8	8	9	9	7	2	7.8	
	17	5	6	3	3	2	6	4	3	5	7	9	5.3	
	18	6	7	7	7	6	4	6	6	5	5	3	6.0	
	19	5	6	3	4	6	7	5	9	9	9	8	4.8	
	20	10	10	10	10	10	10	10	10	10	10	10	8.6	
	21	9	6	4	7	8	8	6	6	3	5	3	6.6	
	22	5	5	6	5	6	3	2	2	1	3	7	5.0	
	23	7	6	5	4	4	5	7	5	6	3	5	3.9	
	24	6	5	3	4	6	7	3	2	2	2	1	2.7	
	25	4	3	3	4	6	4	6	5	6	4	5	4.0	
	26	6	6	5	7	9	10	10	10	10	10	10	6.6	
	27	7	5	5	3	5	9	2	3	1	1	2	6.3	
	28	8	7	6	6	8	7	6	7	7	5	6	7.4	
	29	10	9	10	6	5	10	9	7	3	2	3	5.0	
	30	8	6	5	3	2	2	4	6	4	6	4	4.3	
	31	8	6	3	6	6	7	5	4	3	3	3	4.4	
Hourly Means.	6.6	6.3	5.9	5.7	6.5	7.3	7.0	6.9	6.3	6.2	5.8	5.5	5.8	

BAROMETRIC PRESSURE.

BAROMETER AT 0° C = 750 MILLIMETRES + THE NUMBERS IN THE TABLE.

Mean Batavia Time.	1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—	
J U N E.	1	8.62	8.42	8.34	8.47	8.87	8.93	9.49	9.81	9.98	9.69	9.54	8.94	—
	2	9.57	9.06	8.64	8.76	8.79	9.01	9.63	10.35	10.43	10.32	9.98	9.43	—
	3	10.03	9.59	9.47	9.54	9.80	9.89	10.10	10.39	10.56	10.18	9.81	8.98	—
	4	9.69	9.63	9.10	8.87	8.91	9.05	9.63	10.13	10.25	9.84	9.23	8.77	—
	5	9.24	8.95	8.82	8.57	8.55	8.73	9.00	9.42	9.48	9.28	8.64	7.92	—
	6	8.74	8.52	8.46	8.46	8.61	8.85	9.20	9.65	9.67	9.54	9.19	8.64	—
	7	9.80	9.63	9.12	8.97	9.02	9.22	9.45	9.83	10.04	9.94	9.84	9.38	—
	8	9.15	8.77	8.29	8.61	8.92	8.97	9.11	9.44	9.55	9.34	8.88	8.40	—
	9	9.29	8.86	8.37	8.27	8.43	8.91	9.28	9.60	9.69	9.33	8.99	8.44	—
	10	9.29	8.57	8.26	8.41	8.57	9.14	9.58	10.15	10.28	10.18	9.79	9.00	—
	11	10.04	9.44	8.87	8.88	8.93	9.17	9.50	9.88	9.93	9.72	9.05	8.26	—
	12	7.85	7.69	7.45	7.51	7.73	7.89	8.45	8.72	8.66	8.88	8.43	7.75	—
	13	8.62	8.34	7.80	7.72	7.92	8.09	8.22	8.61	8.70	8.32	7.95	7.19	—
	14	7.36	7.05	6.70	6.72	6.97	7.20	7.54	8.14	8.06	7.89	7.65	7.25	—
	15	7.61	7.35	7.01	6.95	6.92	7.23	7.91	8.28	8.19	7.88	7.53	7.03	—
	16	7.49	7.45	7.01	7.01	7.21	7.81	8.16	8.76	8.91	8.96	8.89	8.20	—
	17	7.84	7.47	7.41	7.43	7.42	7.60	7.98	8.50	8.67	8.35	7.93	7.47	—
	18	8.35	8.07	7.74	7.46	7.52	7.70	7.82	8.41	8.65	8.54	8.22	7.76	—
	19	9.80	9.26	8.91	8.67	8.75	8.80	9.10	9.36	9.37	9.32	9.10	8.67	—
	20	9.30	9.02	8.67	8.53	8.71	8.82	9.35	10.06	10.08	9.88	9.55	8.98	—
	21	9.04	8.92	8.44	8.42	8.83	9.13	9.71	10.46	10.74	10.56	10.14	9.52	—
	22	9.11	8.87	8.39	8.22	8.43	8.78	9.44	9.99	10.39	10.00	9.52	9.03	—
	23	9.90	9.27	9.02	9.15	9.36	9.71	10.16	10.65	10.66	10.22	9.72	9.04	—
	24	9.35	9.29	9.20	9.33	9.80	9.85	10.46	10.65	10.75	10.28	9.68	9.08	—
	25	9.74	9.32	9.12	9.06	9.32	9.63	10.28	10.88	11.05	10.74	10.12	9.22	—
	26	9.55	9.21	9.15	9.06	9.13	9.41	9.88	10.06	9.99	9.73	9.24	8.70	—
	27	9.51	8.93	8.75	8.48	8.61	8.91	9.09	9.62	10.00	9.63	9.19	8.70	—
	28	10.00	9.85	9.32	9.04	9.06	9.23	9.59	10.05	10.49	10.42	10.02	9.36	—
	29	9.09	8.65	8.38	8.42	8.85	8.97	9.59	10.01	9.74	9.60	9.48	9.09	—
	30	8.90	7.91	7.58	7.40	7.35	7.62	8.38	8.85	9.29	9.33	8.98	8.43	—
Hourly Means.		9.06	8.71	8.39	8.35	8.51	8.74	9.17	9.62	9.74	9.53	9.14	8.55	—
Mean Batavia Time.	1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.	
J U N E.	1	8.24	7.38	7.02	7.13	7.26	7.81	8.51	9.02	9.81	9.89	9.83	9.60	8.78
	2	8.84	8.28	7.68	7.56	7.68	8.14	8.81	9.48	9.93	10.51	10.48	10.43	9.24
	3	8.42	7.66	7.37	7.04	7.29	7.64	8.35	8.92	9.32	9.59	9.85	9.68	9.14
	4	8.08	7.33	6.70	6.76	7.04	7.43	7.82	8.38	8.84	9.27	9.63	9.69	8.75
	5	7.44	6.94	6.64	6.63	6.91	7.28	7.64	8.12	8.69	9.04	9.16	9.13	8.34
	6	7.91	7.28	7.07	7.02	7.30	7.77	8.46	8.98	9.78	10.13	10.13	10.03	8.72
	7	8.46	7.81	7.36	7.35	7.68	8.78	8.85	8.97	9.25	9.34	9.35	9.29	9.03
	8	7.94	7.68	7.29	7.43	7.76	8.10	8.75	9.13	9.20	9.49	9.74	9.58	8.73
	9	7.76	7.19	6.73	6.68	7.02	7.82	8.40	8.85	9.49	9.62	9.70	9.70	8.60
	10	8.37	7.99	7.94	8.09	8.66	8.99	9.57	10.24	10.63	10.75	10.54	10.55	9.31
	11	7.43	6.52	6.19	6.11	6.42	6.91	7.35	8.07	8.65	8.76	8.68	8.64	8.39
	12	7.25	6.48	6.12	6.09	6.33	6.92	7.84	8.53	9.30	9.44	9.50	9.28	7.92
	13	6.64	5.85	5.55	5.44	5.73	6.30	6.63	7.33	7.78	7.94	7.71	7.61	7.42
	14	6.68	6.13	5.87	5.98	6.13	6.49	7.47	7.73	8.15	8.10	7.89	7.80	7.21
	15	6.37	5.83	5.11	5.01	5.18	5.44	6.12	6.98	7.28	7.58	7.58	7.45	6.91
	16	7.58	6.74	6.52	6.49	6.93	7.18	7.92	8.38	8.55	8.64	8.46	8.16	7.81
	17	7.13	6.58	6.12	6.29	6.43	6.68	7.49	8.15	8.70	9.14	9.20	8.80	7.70
	18	7.09	6.48	6.33	6.47	6.93	7.50	8.17	8.89	9.13	9.74	9.79	9.83	8.02
	19	7.99	7.33	7.10	7.09	7.13	7.36	8.08	8.77	9.28	9.62	9.79	9.70	8.68
	20	8.54	7.84	7.44	7.52	7.76	8.12	8.83	9.34	9.83	9.87	9.69	9.62	8.97
	21	8.76	8.35	7.99	7.88	8.48	8.70	9.09	9.52	9.88	9.91	9.64	9.45	9.23
	22	8.57	8.17	7.70	7.99	8.19	8.50	9.37	9.65	10.04	10.34	10.02	9.94	9.11
	23	8.70	8.24	7.69	7.64	7.99	8.07	8.53	9.09	9.50	9.53	9.52	9.69	9.21
	24	8.46	7.92	7.67	7.66	8.01	8.44	8.82	9.59	9.90	10.14	10.12	10.08	9.36
	25	8.48	7.82	7.33	7.34	7.47	7.65	8.31	8.98	9.38	9.74	9.82	9.83	9.19
	26	8.03	7.58	7.21	7.07	7.21	7.62	8.08	8.74	9.45	9.49	9.84	9.83	8.89
	27	8.31	7.94	7.79	7.91	8.24	8.41	9.00	9.92	10.68	10.89	10.67	10.34	9.15
	28	8.60	8.05	7.42	7.42	7.66	7.78	8.24	8.74	9.32	9.35	9.11	9.15	9.05
	29	8.55	8.15	7.78	8.15	8.55	8.93	9.05	9.57	9.40	9.17	9.18	9.18	8.98
	30	8.18	7.46	7.03	7.18	7.48	7.75	7.90	8.46	8.79	8.72	8.83	8.57	8.18
Hourly Means.		7.96	7.37	6.99	7.01	7.30	7.68	8.25	8.82	9.26	9.46	9.45	9.35	8.60

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STANDARD THERMOMETER.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
J U N E.	1	76.4	75.7	75.5	75.0	74.7	74.0	74.0	77.6	81.0	83.6	84.8	86.1	—
	2	77.9	77.2	76.8	76.4	75.9	75.2	75.5	77.4	80.6	82.7	84.2	85.7	—
	3	76.9	76.0	75.4	74.7	73.8	73.2	72.9	75.5	78.9	82.2	84.2	86.0	—
	4	78.1	76.0	75.1	74.9	73.7	72.7	73.2	75.6	78.4	81.0	83.4	84.6	—
	5	76.0	75.4	74.8	74.0	73.5	73.0	73.4	75.8	80.4	82.6	84.5	86.0	—
	6	78.0	77.1	76.7	76.7	75.9	75.0	75.9	78.3	82.2	84.2	86.0	87.0	—
	7	75.9	75.8	76.0	75.7	75.3	75.1	74.8	76.8	80.0	82.5	84.1	86.3	—
	8	74.0	73.6	73.5	73.3	73.5	73.7	74.0	75.0	78.0	81.2	83.5	85.4	—
	9	74.9	75.0	74.8	74.6	73.8	73.1	73.3	75.5	78.9	81.3	83.8	85.4	—
	10	77.3	77.0	77.2	77.0	76.7	76.4	76.7	79.0	79.7	81.0	83.0	85.1	—
	11	75.1	75.0	74.4	74.2	74.0	74.0	75.0	76.0	77.6	80.0	82.0	83.6	—
	12	79.7	79.2	79.0	78.1	77.5	77.2	77.1	78.0	80.5	81.6	82.6	83.5	—
	13	75.9	75.2	74.8	74.5	74.7	74.0	74.4	75.3	77.9	80.6	82.0	83.8	—
	14	75.7	74.6	74.2	73.8	72.5	71.7	72.4	74.7	78.1	81.4	84.0	86.4	—
	15	76.4	75.6	75.0	74.9	74.3	74.0	74.2	77.0	80.2	82.7	85.2	86.9	—
	16	77.6	76.5	76.0	75.7	75.5	75.1	75.7	77.5	79.0	79.2	80.0	81.6	—
	17	75.0	74.9	74.0	73.2	73.2	73.0	73.1	75.5	78.6	81.6	84.3	86.0	—
	18	76.1	75.7	75.0	74.8	74.4	73.8	74.1	76.1	79.5	82.4	84.1	85.0	—
	19	73.4	72.4	72.2	72.6	72.5	72.8	72.6	73.8	76.0	77.3	79.3	81.9	—
	20	75.6	75.3	75.1	74.2	74.0	73.3	73.4	75.5	77.1	80.5	83.0	83.8	—
	21	75.6	75.6	75.0	74.8	74.6	74.3	75.0	75.6	76.0	76.1	76.1	77.2	—
	22	73.0	73.0	72.8	72.8	72.4	72.4	72.6	73.6	77.0	80.1	82.6	84.3	—
	23	76.0	75.6	75.4	75.0	74.4	73.8	73.7	76.0	79.2	81.4	82.0	84.4	—
	24	76.9	76.2	76.6	76.3	76.0	75.8	75.9	77.2	78.6	82.0	82.7	84.1	—
	25	77.7	76.2	75.4	75.4	75.5	75.4	75.2	75.7	76.5	78.0	79.2	81.0	—
	26	76.8	76.0	75.2	74.3	73.6	72.6	72.5	75.0	79.0	81.5	83.0	83.7	—
	27	74.7	74.4	73.9	73.2	72.3	71.5	71.6	73.6	77.6	80.6	84.0	85.0	—
	28	75.3	75.5	75.4	74.9	74.6	74.5	74.2	76.7	79.4	80.1	80.3	81.8	—
	29	75.2	74.4	73.8	73.2	72.9	72.5	72.9	74.3	78.4	81.6	83.0	84.4	—
	30	74.0	73.9	73.6	73.3	73.0	72.8	73.2	75.4	78.0	80.8	82.6	82.7	—
Hourly Means.		76.04	75.47	75.09	74.72	74.29	73.86	74.08	75.97	78.74	81.06	82.78	84.29	—
Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
J U N E.	1	87.1	87.0	87.0	86.3	85.7	83.4	82.1	81.0	80.3	79.6	79.0	78.4	80.64
	2	87.2	88.1	87.3	86.0	85.1	83.6	82.2	81.6	80.5	80.0	78.8	77.6	80.98
	3	87.4	86.8	85.6	84.6	83.6	82.0	80.8	80.2	79.4	79.4	78.9	78.1	79.85
	4	86.4	87.1	86.2	85.4	83.8	82.0	80.6	79.6	78.5	77.5	77.0	76.5	79.47
	5	86.3	86.5	85.9	85.0	84.0	82.4	81.0	80.0	79.2	79.0	78.9	78.7	79.85
	6	87.7	88.5	88.4	87.0	85.4	83.4	81.5	80.2	78.8	77.3	76.6	76.1	81.00
	7	86.5	88.4	87.5	86.6	81.4	75.1	74.2	74.4	74.2	74.6	74.4	74.0	78.73
	8	85.6	84.6	85.1	83.9	83.0	81.6	80.0	78.4	77.2	76.0	75.5	75.1	78.53
	9	86.8	85.6	85.8	85.6	84.6	83.1	81.6	80.6	79.5	78.7	78.1	77.5	79.66
	10	83.0	79.5	79.3	79.8	79.4	78.0	77.4	77.2	76.7	76.0	75.7	75.7	78.49
	11	85.2	86.2	86.0	85.0	84.3	83.2	81.7	80.4	80.0	80.0	79.8	79.6	79.68
	12	83.6	84.0	84.5	84.1	82.8	82.0	81.0	77.5	76.7	77.1	77.1	76.1	80.02
	13	84.9	85.6	85.3	85.0	83.7	82.0	80.5	79.5	79.2	78.9	77.9	76.8	79.27
	14	86.8	85.5	85.6	84.5	83.2	82.0	79.6	79.1	78.1	77.6	77.0	77.2	78.99
	15	88.4	88.9	89.0	88.0	86.3	84.4	82.5	81.7	80.2	79.1	78.3	78.0	80.88
	16	84.4	85.6	85.0	83.5	83.0	80.1	78.7	78.0	77.8	77.1	76.4	76.5	78.98
	17	86.5	86.7	86.5	85.5	84.1	82.1	81.0	79.8	78.9	77.9	77.1	76.8	79.39
	18	84.6	84.6	84.5	83.5	82.5	81.5	79.3	77.7	76.6	76.2	76.0	75.5	78.90
	19	82.8	83.2	82.8	81.1	80.2	79.3	78.6	78.0	77.5	76.7	76.5	76.0	77.06
	20	84.5	84.5	85.0	84.0	82.7	81.2	80.3	79.4	78.9	78.0	77.2	76.2	78.86
	21	78.3	78.9	79.0	79.9	79.9	78.3	76.5	75.3	75.0	74.4	74.0	73.4	76.20
	22	84.8	83.0	83.6	83.4	83.0	80.2	78.5	78.2	77.7	77.0	76.3	76.0	77.85
	23	83.7	85.0	84.3	83.5	82.3	80.7	79.8	78.8	78.1	77.5	77.3	77.2	78.96
	24	84.7	85.7	84.6	83.7	82.9	81.6	80.2	80.0	79.3	78.6	77.9	77.6	79.80
	25	83.3	84.0	83.4	83.3	81.8	80.7	79.0	78.1	77.9	77.7	77.5	77.3	78.55
	26	84.0	84.3	84.1	83.7	83.0	81.6	79.7	79.0	78.4	77.0	76.4	75.4	78.74
	27	86.7	86.2	86.0	85.6	84.0	82.1	80.2	78.8	78.0	76.9	76.1	75.6	78.69
	28	81.9	83.7	85.5	84.3	82.2	80.6	79.9	78.9	78.1	77.3	76.5	76.2	78.66
	29	83.9	82.0	83.8	80.3	78.9	77.8	76.6	75.5	74.9	74.6	74.9	74.5	77.26
	30	80.9	81.0	81.1	80.8	80.0	79.1	78.8	78.2	77.7	77.0	76.7	76.6	77.55
Hourly Means.		84.93	85.02	84.92	84.10	82.89	81.17	79.79	78.84	78.11	77.49	76.99	76.54	79.05

RELATIVE HUMIDITY OF THE AIR.

SATURATION = 1000.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
J U N E.	1	957	966	957	966	965	965	956	860	820	754	757	782	—
	2	933	958	948	948	957	956	948	916	812	766	750	662	—
	3	899	881	872	879	877	886	876	807	740	688	722	762	—
	4	892	931	947	947	938	937	929	905	830	755	658	609	—
	5	906	914	939	921	920	920	911	881	760	702	668	661	—
	6	942	958	957	948	957	983	898	837	771	791	788	818	—
	7	906	905	906	923	939	939	956	891	833	731	681	619	—
	8	956	965	956	973	965	965	947	939	885	770	740	672	—
	9	930	922	922	921	929	929	929	872	816	748	699	691	—
	10	932	941	932	932	932	940	924	854	840	812	766	684	—
	11	947	956	965	956	947	956	947	915	892	825	785	734	—
	12	918	943	934	925	941	941	932	917	826	814	766	692	—
	13	957	974	965	965	965	965	956	947	876	746	721	654	—
	14	898	922	913	903	919	936	902	871	806	670	590	545	—
	15	906	914	922	922	921	929	904	866	796	710	633	596	—
	16	900	915	906	915	905	905	889	852	838	832	848	763	—
	17	922	922	938	946	911	910	902	864	793	700	668	624	—
	18	915	915	930	930	930	938	921	906	848	737	714	709	—
	19	938	955	946	937	946	946	946	938	881	851	832	750	—
	20	923	930	930	956	947	955	956	931	900	782	732	720	—
	21	948	940	947	939	947	939	922	923	923	915	906	900	—
	22	946	955	955	955	955	964	964	947	867	788	731	688	—
	23	923	940	939	947	956	938	920	856	786	741	729	668	—
	24	932	948	948	948	923	915	957	900	878	785	759	735	—
	25	949	991	948	948	948	948	939	923	924	876	831	797	—
	26	916	923	939	939	938	919	893	863	822	756	690	673	—
	27	897	887	895	920	928	935	918	877	767	696	610	608	—
	28	914	905	905	904	913	896	912	850	779	781	788	735	—
	29	922	930	938	946	946	937	937	913	821	720	657	649	—
	30	921	921	929	938	946	955	946	864	806	725	696	703	—
Hourly Means.		925	934	934	937	937	938	928	890	831	766	731	697	—
Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
J U N E.	1	646	710	697	702	767	870	897	896	880	894	909	917	* 854
	2	616	734	654	741	901	953	897	905	943	879	902	900	857
	3	643	622	687	730	796	867	935	864	886	878	885	884	815
	4	670	751	844	961	960	968	968	894	901	907	891	899	871
	5	656	683	720	697	805	838	935	935	951	933	909	933	837
	6	785	808	808	797	961	968	976	856	862	883	899	915	882
	7	639	662	654	695	828	956	956	947	956	956	956	956	850
	8	740	771	793	863	869	912	919	917	916	915	922	930	883
	9	652	672	680	699	743	781	814	835	863	885	908	900	823
	10	802	918	926	927	926	901	925	924	932	931	931	931	894
	11	671	689	694	765	750	717	821	880	879	887	894	910	849
	12	747	727	668	693	702	763	797	892	940	949	949	948	847
	13	659	623	672	684	706	750	788	816	823	807	828	866	821
	14	566	634	646	688	746	750	833	847	861	868	875	844	793
	15	544	558	553	619	675	728	744	776	833	870	884	908	780
	16	682	660	697	754	767	818	831	836	852	866	882	882	833
	17	657	658	638	679	727	792	820	855	878	901	891	891	812
	18	736	702	682	712	737	784	839	867	882	906	915	931	837
	19	731	732	731	790	811	863	893	884	900	924	924	931	874
	20	729	722	690	727	779	820	856	886	902	925	932	940	857
	21	862	854	854	825	833	885	882	914	922	939	930	946	908
	22	716	752	719	747	766	817	885	884	892	900	906	906	859
	23	706	678	708	706	737	812	927	893	908	925	925	924	841
	24	737	692	722	713	745	791	841	856	886	909	933	933	849
	25	754	715	754	760	777	826	893	917	925	917	925	900	879
	26	661	655	641	639	671	706	765	778	791	842	849	889	798
	27	601	612	624	647	706	764	803	846	845	866	873	898	793
	28	757	727	609	649	709	775	840	869	892	907	890	898	825
	29	680	764	665	759	807	828	874	905	897	888	871	888	839
	30	768	812	769	782	781	808	846	861	876	891	906	882	847
Hourly Means.		694	710	707	738	783	827	867	875	889	898	903	909	844

DIRECTION OF THE WIND.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12
J U N E.	1	ESE	ESE	C	C	ESE	ESE	ESE	ESE	SE	ESE	E	E
	2	C	ENE	C	C	C	C	C	C	E	ENE	ENE	S
	3	NE	NE	S	SSW	C	SSW	SSW	SSW	SSW	SSW	SSW	SSW
	4	NW	N	N	N	W	W	C	W	W	SSE	S	SE
	5	NE	C	C	C	C	C	C	NE	SE	ESE	E	SE
	6	ESE	C	C	C	C	C	ESE	ESE	SE	E	E	NE
	7	C	C	E	C	C	C	E	SSE	S	SSW	SW	SW
	8	SSW	C	C	C	C	C	C	SSW	SSW	S	S	ESE
	9	C	SSE	SSE	SSE	C	C	SSE	SSE	SSE	S	E	ENE
	10	C	ENE	ENE	NE	NE	C	NE	ESE	ESE	ESE	E	NE
	11	C	C	C	C	C	SW	SSW	ESE	ESE	SE	E	ESE
	12	C	C	C	C	C	NNE	N	WNW	SSW	SSE	SE	E
	13	C	W	SW	SW	C	C	C	C	SW	SSE	E	ENE
	14	C	SE	SE	C	C	C	SE	C	SE	ESE	E	ESE
	15	C	C	C	C	ENE	C	ENE	SSE	SSE	S	E	ENE
	16	C	C	E	ESE	C	C	C	ESE	ESE	ESE	ESE	ESE
	17	C	C	C	C	WSW	WSW	WSW	WSW	WSW	E	ENE	ENE
	18	C	C	C	C	C	NE	NE	NE	NE	ENE	ENE	ENE
	19	WSW	WSW	SW	WSW	WSW	C	C	WSW	SSW	ESE	ESE	E
	20	E	E	C	C	C	C	E	C	E	E	ENE	ENE
	21	ENE	ENE	ENE	ENE	C	ENE	ENE	N	NW	NW	WNW	NNW
	22	SW	SW	SW	C	C	C	C	SW	SW	E	ESE	E
	23	ESE	ESE	ESE	C	C	C	ESE	SSE	S	SE	E	NNE
	24	C	N	N	N	C	C	C	N	NE	ENE	E	NE
	25	C	C	ENE	ENE	ENE	ENE	ENE	ENE	ESE	ESE	SE	SSW
	26	SE	SE	SE	SE	SE	SE	SE	SSE	SSE	E	ENE	NNE
	27	ENE	ENE	ENE	C	C	ENE	ENE	ENE	S	SSW	ESE	ESE
	28	NE	NE	NE	NE	NE	NE	C	NE	ESE	ESE	E	E
	29	C	C	C	C	ESE	ESE	ESE	SE	SSW	SSE	ESE	E
	30	SSE	SSE	C	C	C	C	SSE	SSE	SSE	SSE	SE	ENE
Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12
J U N E.	1	ENE	ENE	ENE	ENE	ENE	ENE	NE	NE	C	C	C	NE
	2	ENE	ENE	NNE	ENE	NE	NE	NE	C	NE	C	C	C
	3	SE	NNE	NE	NE	NE	NNE	C	C	C	C	C	NNE
	4	ESE	E	NNE	NE	NE	NE	NE	NE	C	C	C	NE
	5	ESE	NNE	NNE	NE	NE	ENE	ENE	ENE	C	C	C	ENE
	6	ESE	E	E	E	E	E	E	E	C	C	C	C
	7	WSW	NE	NE	NNE	SSW	SW	SW	C	SW	SSW	SSW	SSW
	8	N	N	NE	NE	ENE	ENE	SSE	SSE	C	SSE	C	C
	9	NE	NNW	NE	ENE	ENE	ENE	ENE	ENE	C	C	C	C
	10	NNE	NNW	NNE	NNE	WSW	SW	C	C	C	C	C	C
	11	ESE	ESE	E	N	N	NE	NE	NE	C	C	C	C
	12	NNE	NE	NE	NE	NE	NE	NNE	WNW	C	C	C	W
	13	NE	E	E	NE	ENE	ENE	E	E	E	SE	SE	C
	14	ENE	NNE	NNE	NE	NE	NE	C	NE	NE	C	NE	ENE
	15	ESE	ESE	E	E	ENE	ENE	ENE	E	C	C	E	C
	16	ESE	ESE	NE	NNE	N	N	WNW	WNW	WNW	WNW	WNW	WSW
	17	NE	N	NE	NE	NE	NE	NE	C	C	NE	NE	NE
	18	NNE	NE	NNE	NNE	NNE	N	WSW	SW	C	C	WSW	WSW
	19	E	ENE	E	ENE	E	E	E	E	C	C	E	C
	20	NE	NNE	NE	NE	ENE	ENE	ENE	ENE	C	ENE	C	C
	21	NNW	N	NNE	N	NNW	NNW	SW	SW	SW	C	C	C
	22	NE	NNE	N	NE	E	E	ESE	ESE	C	C	C	C
	23	NE	NNE	NE	NE	NNE	C	C	C	C	N	N	N
	24	NE	NE	NE	NE	NNE	ENE	C	C	C	C	ENE	ENE
	25	SSE	S	NNE	NE	N	C	C	C	N	N	N	SE
	26	NE	NNE	NNE	NNE	NE	ENE	ENE	ENE	ENE	ENE	ENE	C
	27	NE	NE	N	NE	NE	NE	C	NE	C	NE	NE	NE
	28	E	E	E	E	E	E	E	E	E	E	ESE	ESE
	29	E	ENE	E	ENE	E	ESE	E	SE	SSE	SSE	SSE	C
	30	ENE	ENE	ENE	ENE	E	E	E	E	E	E	E	E

VELOCITY OF THE WIND IN KILOMETERS PER HOUR.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
J U N E.	1	0.8	0.8	0.0	0.0	0.8	0.8	1.6	8.9	9.7	12.9	11.3	11.3	—
	2	0.0	0.8	0.0	0.0	0.0	0.0	0.0	0.0	4.8	6.4	6.4	5.6	—
	3	0.8	2.4	4.0	1.6	0.0	1.6	5.6	5.6	6.4	6.4	6.4	4.8	—
	4	1.6	0.8	3.2	2.4	1.6	0.8	0.0	2.4	3.2	4.0	8.0	8.0	—
	5	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.8	8.9	9.7	8.0	6.4	—
	6	1.6	0.0	0.0	0.0	0.0	0.0	0.8	2.4	8.9	11.3	12.9	12.9	—
	7	0.0	0.0	0.8	0.0	0.0	0.0	0.8	2.4	4.0	4.8	3.2	3.2	—
	8	1.6	0.0	0.0	0.0	0.0	0.0	0.0	1.6	4.0	4.8	4.0	4.8	—
	9	0.0	0.8	1.6	0.8	0.0	0.0	0.8	0.8	1.6	2.4	7.2	6.4	—
	10	0.0	0.8	2.4	1.6	0.8	0.0	1.6	4.0	6.4	5.6	7.2	8.0	—
	11	0.0	0.0	0.0	0.0	0.0	1.6	3.2	4.8	8.0	8.0	8.0	8.9	—
	12	0.0	0.0	0.0	0.0	0.0	0.8	2.4	3.2	4.8	3.2	2.4	4.8	—
	13	0.0	3.2	1.6	1.6	0.0	0.0	0.0	0.0	0.8	6.4	7.2	7.2	—
	14	0.0	0.8	0.8	0.0	0.0	0.0	0.8	0.0	1.6	7.2	9.7	11.3	—
	15	0.0	0.0	0.0	0.0	0.8	0.0	3.2	3.2	5.6	5.6	8.9	11.3	—
	16	0.0	0.0	0.8	1.6	0.0	0.0	0.0	5.6	3.2	0.8	0.8	2.4	—
	17	0.0	0.0	0.0	0.0	0.8	2.4	2.4	1.6	2.4	7.2	11.3	11.3	—
	18	0.0	0.0	0.0	0.0	0.0	1.6	1.6	1.6	2.4	8.0	8.0	8.9	—
	19	6.4	6.4	4.0	1.6	0.8	0.0	0.0	1.6	4.8	8.0	10.5	12.9	—
	20	0.8	0.8	0.0	0.0	0.0	0.0	0.8	0.0	2.4	5.6	8.0	6.4	—
	21	0.8	0.8	0.8	0.8	0.0	0.8	0.8	2.4	1.6	6.4	4.8	4.0	—
	22	1.6	0.8	1.6	0.0	0.0	0.0	0.0	0.8	2.4	6.4	8.0	6.4	—
	23	0.8	1.6	1.6	0.0	0.0	0.0	2.4	0.8	1.6	3.2	3.2	3.2	—
	24	0.0	1.6	1.6	0.8	0.0	0.0	0.0	1.6	3.2	4.8	1.6	4.8	—
	25	0.0	0.0	0.8	0.8	0.8	1.6	3.2	4.8	4.8	4.8	3.2	3.2	—
	26	2.4	0.8	0.8	1.6	1.6	2.4	0.8	4.8	4.8	7.2	6.4	9.7	—
	27	0.8	2.4	0.8	0.0	0.0	0.8	1.6	2.4	2.4	4.8	12.1	11.3	—
	28	1.6	3.2	1.6	0.8	0.8	0.8	0.0	2.4	2.4	4.8	8.0	11.3	—
	29	0.0	0.0	0.0	0.0	0.8	1.6	2.4	3.2	5.6	6.4	9.7	12.1	—
	30	0.8	0.8	0.0	0.0	0.0	0.0	1.6	3.2	2.4	4.8	8.0	12.1	—
Hourly Means.		0.77	0.99	0.96	0.53	0.32	0.59	1.28	2.56	4.17	6.06	7.15	7.83	—
Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
J U N E.	1	12.1	12.1	8.9	8.9	8.9	7.2	2.4	1.6	0.0	0.0	0.0	0.8	5.08
	2	8.0	8.0	11.3	9.7	6.4	2.4	1.6	0.0	1.6	0.0	0.8	0.0	3.08
	3	4.0	10.5	11.3	9.7	7.2	1.6	0.0	0.0	0.0	0.0	0.0	0.8	3.78
	4	8.0	8.0	8.0	7.2	9.7	6.4	4.0	0.8	0.0	0.0	0.8	0.8	3.74
	5	6.4	13.7	10.5	13.7	11.3	8.0	5.6	1.6	0.0	0.0	0.0	1.6	4.46
	6	12.9	13.7	14.5	14.5	9.7	5.6	3.2	1.6	0.0	0.0	0.0	0.0	5.27
	7	3.2	9.7	12.1	8.9	12.1	8.0	0.8	0.0	3.2	1.6	0.8	1.6	3.38
	8	8.9	9.7	9.7	8.0	8.0	1.6	3.2	1.6	0.0	0.8	0.0	0.0	3.01
	9	12.9	11.3	13.7	12.9	6.4	4.8	2.4	1.6	0.0	0.0	0.0	0.0	3.68
	10	8.0	5.6	1.6	0.8	4.0	1.6	0.0	0.0	0.0	0.0	0.0	0.0	2.50
	11	8.9	6.4	6.4	6.4	3.2	3.2	1.6	0.8	0.0	0.0	0.0	0.0	3.31
	12	5.6	10.5	8.0	6.4	3.2	0.8	2.4	1.6	0.0	0.0	0.0	0.8	2.54
	13	4.0	2.4	8.0	11.3	9.7	5.6	4.8	1.6	3.2	4.8	1.6	0.0	3.54
	14	14.5	13.7	12.9	8.9	4.8	3.2	0.0	0.8	0.8	0.0	1.6	0.8	3.93
	15	12.1	13.7	15.3	13.7	11.3	4.0	4.0	1.6	0.0	0.0	0.8	0.0	4.80
	16	4.8	4.8	5.6	4.8	1.6	1.6	0.8	0.8	1.6	3.2	3.2	1.6	2.10
	17	12.9	12.1	12.1	13.7	10.5	4.8	0.8	0.0	0.0	1.6	1.6	0.8	4.60
	18	11.3	13.7	11.3	11.3	7.2	1.6	4.8	4.8	0.0	0.0	1.6	2.4	4.25
	19	12.9	12.1	9.7	11.3	6.4	3.2	0.8	0.8	0.0	0.0	1.6	0.0	4.83
	20	10.5	12.1	12.9	11.3	9.7	5.6	3.2	0.8	0.0	0.8	0.0	0.0	3.82
	21	2.4	6.4	6.4	4.8	1.6	3.2	3.2	2.4	0.8	0.0	0.0	0.0	2.30
	22	11.3	11.3	11.3	11.3	8.0	0.8	1.6	1.6	0.0	0.0	0.0	0.0	3.55
	23	8.0	11.3	11.3	9.7	4.8	0.0	0.0	0.0	0.0	0.8	0.8	0.8	2.75
	24	6.4	8.0	12.9	13.7	10.5	4.8	0.0	0.0	0.0	0.0	0.8	0.8	3.25
	25	3.2	3.2	8.0	8.0	5.6	0.0	0.0	0.8	0.8	0.8	1.6	4.8	2.67
	26	9.7	9.7	10.5	9.7	8.9	6.4	1.6	0.8	1.6	0.8	0.8	0.0	4.33
	27	9.7	11.3	12.1	12.9	7.2	1.6	0.0	0.8	0.0	0.8	0.8	1.6	4.09
	28	10.5	12.1	16.1	13.7	12.9	8.0	5.6	2.4	0.8	2.4	3.2	1.6	5.29
	29	13.7	12.1	18.5	17.7	13.7	12.9	9.7	8.9	6.4	5.6	0.8	0.0	6.74
	30	12.9	11.3	10.5	11.3	8.0	3.2	3.2	5.6	2.4	3.2	1.6	2.4	4.55
Hourly Means.		8.99	10.02	10.71	10.21	7.75	4.06	2.40	1.50	0.77	0.91	0.83	0.80	3.81

CLOUDS.

CLEAR = 0. — OVERCAST = 10.

Mean Batavia Time.	1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—	
J U N E.	1	3	3	4	5	7	6	7	9	7	6	8	8	—
	2	3	2	3	2	2	3	4	2	1	5	3	6	—
	3	1	1	2	2	1	2	0	0	0	0	0	0	—
	4	10	10	4	2	0	4	0	0	0	0	2	1	—
	5	2	1	1	2	2	3	2	2	1	0	1	2	—
	6	3	4	3	4	4	4	4	5	3	5	5	7	—
	7	8	8	9	9	6	4	2	6	4	3	5	3	—
	8	2	3	7	4	8	9	9	9	8	6	3	8	—
	9	2	2	1	2	1	4	1	1	2	3	5	6	—
	10	9	8	9	10	9	9	9	10	10	9	8	8	—
	11	10	10	10	10	7	8	9	9	9	8	9	7	—
	12	10	10	9	9	7	4	10	10	5	10	6	10	—
	13	6	9	7	3	4	6	4	7	6	6	8	8	—
	14	7	7	6	6	3	6	0	0	1	1	1	2	—
	15	5	4	5	3	1	3	4	6	4	5	5	4	—
	16	5	4	6	7	7	6	7	6	10	10	10	10	—
	17	1	0	0	1	0	2	1	0	1	1	1	1	—
	18	3	4	3	7	2	2	1	2	3	3	3	6	—
	19	10	10	10	10	10	9	10	10	9	9	9	9	—
	20	7	9	9	7	6	4	4	7	6	5	5	6	—
	21	6	6	7	6	4	6	10	10	10	10	10	10	—
	22	4	5	3	4	9	10	10	6	8	6	5	6	—
	23	9	6	7	6	2	3	1	0	1	1	4	7	—
	24	7	7	9	9	9	6	5	2	3	6	6	6	—
	25	10	10	10	10	10	10	10	10	10	10	9	9	—
	26	9	7	6	4	6	6	4	3	3	8	8	7	—
	27	2	2	1	1	1	3	2	1	0	0	0	0	—
	28	5	8	7	3	5	9	10	10	9	10	10	9	—
	29	4	2	3	2	4	6	9	9	3	7	9	7	—
	30	10	10	10	10	10	9	4	6	5	5	7	7	—

Hourly Means.	5.8	5.7	5.7	5.3	4.9	5.5	5.1	5.3	4.7	5.3	5.5	6.0	—
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Mean Batavia Time.	1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
J U N E.	1	6	5	6	6	6	6	3	1	2	1	3	5.2
	2	5	4	2	3	3	7	6	7	7	5	1	3.7
	3	4	3	2	1	1	3	6	7	9	7	8	2.7
	4	1	1	2	1	1	3	1	2	3	2	3	2.3
	5	2	2	1	1	2	4	3	5	2	6	8	2.6
	6	5	3	3	1	2	3	2	2	3	2	1	3.3
	7	9	6	4	4	10	10	5	2	2	1	0	5.0
	8	10	10	6	8	9	10	9	3	1	1	3	6.2
	9	6	3	4	4	6	4	6	7	5	7	10	4.2
	10	9	10	10	10	10	8	6	5	5	6	10	8.6
	11	2	3	6	4	3	5	2	9	9	10	10	7.5
	12	9	9	7	6	7	10	9	10	10	9	10	8.5
	13	6	3	9	5	2	4	5	9	10	10	6	6.2
	14	3	3	6	7	4	2	1	3	2	7	8	3.7
	15	3	2	1	1	1	4	6	9	9	9	7	4.3
	16	7	5	7	7	9	8	9	7	8	8	3	7.3
	17	2	2	1	0	1	1	6	7	6	5	7	2.2
	18	6	4	6	4	3	6	8	10	10	10	10	5.3
	19	7	8	8	9	9	10	7	10	9	6	5	8.7
	20	7	4	5	7	7	6	4	6	8	4	3	6.0
	21	10	10	10	10	10	10	6	3	6	2	8	7.8
	22	7	5	4	4	3	3	7	6	7	5	5	5.6
	23	6	5	3	2	6	7	3	2	1	2	8	3.9
	24	7	3	3	3	4	4	6	10	8	10	10	6.4
	25	5	5	6	8	7	7	5	4	5	6	9	8.0
	26	4	5	5	5	3	6	3	8	3	2	3	5.0
	27	5	4	5	3	2	3	6	7	7	5	3	2.8
	28	10	6	4	4	3	6	2	3	3	2	1	5.8
	29	9	10	9	10	10	10	10	10	10	10	10	7.6
	30	10	10	10	10	9	10	8	7	8	5	4	8.0

Hourly Means.	6.1	5.1	5.2	4.9	5.1	5.9	5.4	5.9	5.9	5.4	5.6	6.0	5.5
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BAROMETRIC PRESSURE.

BAROMETER AT 0°C = 750 MILLIMETRES + THE NUMBERS IN THE TABLE.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	--
JULY.	1	8.04	7.66	7.27	7.17	7.28	7.48	7.93	8.30	8.51	8.39	8.09	8.18	—
	2	8.12	7.79	7.29	7.06	7.20	7.43	7.84	8.60	8.67	8.60	8.19	7.70	—
	3	8.05	7.67	7.30	7.15	7.31	7.49	7.88	8.23	8.40	8.27	8.14	7.74	—
	4	8.39	8.00	7.72	7.75	7.93	8.05	8.55	9.05	9.02	8.90	8.69	8.24	—
	5	9.31	9.05	8.70	8.55	8.60	8.88	9.06	9.40	9.40	9.14	8.78	8.52	—
	6	9.97	9.53	9.54	9.33	9.35	9.65	10.00	10.15	10.15	9.85	9.53	9.19	—
	7	9.93	9.77	9.56	9.59	9.85	10.17	10.71	11.19	11.14	10.83	10.07	9.53	—
	8	9.96	9.51	9.40	9.37	9.40	9.46	9.80	10.03	10.10	9.80	9.33	8.88	—
	9	8.94	8.61	8.37	8.45	8.62	8.98	9.42	9.84	9.94	9.54	9.00	8.44	—
	10	8.30	8.01	7.81	7.64	7.68	7.86	8.08	8.61	8.67	8.35	8.00	7.63	—
	11	8.62	8.31	7.91	8.13	8.42	8.53	9.08	9.33	9.33	8.95	8.63	7.78	—
	12	8.00	7.72	7.26	7.17	7.39	7.72	8.47	8.92	9.21	8.99	8.43	7.64	—
	13	7.90	7.64	7.44	7.52	7.61	7.90	8.05	8.53	8.64	8.58	7.92	7.47	—
	14	8.64	8.42	8.25	8.33	8.45	8.81	9.41	9.79	9.89	9.74	9.31	8.66	—
	15	9.04	8.67	8.10	8.16	8.23	8.23	8.90	9.28	9.49	9.32	8.70	8.27	—
	16	8.75	8.26	7.84	7.62	7.68	7.90	7.91	8.13	8.55	8.54	7.98	7.49	—
	17	8.86	8.47	8.15	7.93	7.93	8.10	8.51	9.08	9.12	8.80	8.39	7.82	—
	18	8.42	8.32	7.94	7.86	8.27	8.89	9.02	9.40	9.37	9.13	8.56	7.84	—
	19	8.09	7.63	7.27	7.21	7.27	7.41	7.97	8.56	8.80	8.57	8.15	7.69	—
	20	8.94	8.47	7.90	7.93	8.16	8.38	8.80	8.97	9.27	9.30	8.88	8.50	—
	21	9.72	9.40	9.17	9.36	9.40	9.66	10.16	10.55	10.52	10.42	10.02	9.38	—
	22	9.46	9.18	9.07	9.20	9.46	9.50	10.14	10.82	10.79	10.79	10.30	9.64	—
	23	9.40	9.10	8.82	8.64	8.72	9.03	9.32	9.79	9.83	9.64	9.22	8.52	—
	24	7.85	8.04	7.77	7.81	7.98	8.26	9.11	9.47	9.51	9.27	8.91	8.27	—
	25	8.33	8.11	7.76	7.84	8.17	8.62	9.93	9.60	9.37	9.05	8.52	7.68	—
	26	8.72	8.36	8.26	8.16	8.45	8.79	8.91	9.16	9.24	9.08	8.70	8.01	—
	27	8.69	8.21	8.24	8.27	8.49	8.72	9.12	9.65	9.82	9.74	9.43	8.60	—
	28	8.45	7.85	7.52	7.51	7.84	8.11	8.71	9.53	9.74	9.53	9.14	8.56	—
	29	8.45	8.20	7.99	7.76	7.88	8.22	9.06	9.21	9.68	9.44	9.24	8.49	—
	30	9.53	9.10	8.62	8.40	8.40	8.72	9.27	9.90	9.75	9.55	9.14	8.42	—
	31	8.82	8.55	8.06	7.95	8.12	8.40	8.87	9.34	9.38	9.18	8.87	8.41	—
Hourly Means.		8.76	8.44	8.14	8.09	8.24	8.50	8.94	9.37	94.6	9.27	8.85	8.30	—
Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
JULY.	1	7.13	6.48	6.07	5.93	6.19	6.60	7.23	7.74	8.40	8.65	8.67	8.59	7.58
	2	7.16	6.54	6.34	6.23	6.31	6.43	6.87	7.81	8.39	8.57	8.47	8.36	7.58
	3	7.46	6.92	6.71	6.64	6.94	7.40	7.98	8.34	8.44	8.87	8.71	8.65	7.78
	4	7.90	7.53	7.26	7.49	7.61	7.92	8.18	8.68	9.06	9.19	9.44	9.48	8.33
	5	8.28	7.92	7.43	7.74	7.89	8.57	8.90	9.46	9.97	10.09	10.30	10.17	8.92
	6	8.68	8.04	7.74	7.93	8.07	8.20	8.75	9.29	9.68	9.94	10.09	10.13	9.28
	7	9.02	8.53	8.42	8.42	8.44	8.64	9.26	9.68	10.09	10.20	9.95	9.97	9.71
	8	8.36	7.73	7.52	7.53	7.68	8.04	8.44	8.83	9.09	9.03	8.91	8.95	8.96
	9	7.59	6.86	6.53	6.44	6.57	7.03	7.58	7.98	8.65	8.73	8.70	8.62	8.31
	10	7.07	6.65	6.19	6.15	6.50	6.98	7.37	8.16	8.65	8.83	8.80	8.72	7.78
	11	7.05	6.51	6.08	6.07	6.64	6.88	7.63	8.48	9.11	9.35	9.00	8.89	8.11
	12	7.13	6.44	6.03	6.02	6.47	6.61	7.35	7.99	8.52	8.59	8.55	8.29	7.70
	13	7.02	6.37	6.26	6.13	6.48	6.96	7.52	8.09	8.64	8.80	8.94	8.80	7.72
	14	7.72	7.05	6.92	6.92	7.11	7.44	8.29	9.00	9.64	9.89	9.68	9.68	8.63
	15	7.57	6.95	6.37	6.32	6.72	7.16	7.60	8.10	8.49	8.78	8.70	8.70	8.16
	16	6.84	6.68	6.79	7.24	7.40	7.60	8.24	8.78	9.00	9.09	9.26	9.22	8.03
	17	7.35	6.61	6.46	6.46	6.75	6.89	7.58	8.26	8.58	8.60	8.74	8.61	8.00
	18	7.48	6.92	6.49	6.46	6.49	6.74	7.05	7.66	8.04	8.37	8.17	8.16	7.96
	19	7.39	6.93	6.67	6.79	7.06	7.47	8.10	8.83	9.32	9.55	9.59	9.49	7.99
	20	7.83	7.53	7.22	7.22	7.52	7.98	8.44	9.09	9.63	10.07	9.84	9.73	8.57
	21	8.42	7.66	7.58	7.50	7.73	7.96	8.50	8.98	9.70	9.88	9.93	9.80	9.23
	22	9.18	8.47	8.04	8.14	8.41	8.51	8.77	9.28	9.73	9.84	9.73	9.57	9.42
	23	7.69	7.38	7.27	7.18	7.53	7.75	8.32	8.63	8.95	9.00	9.06	8.79	8.65
	24	7.55	7.06	6.48	6.64	6.92	7.22	7.55	8.08	8.63	8.69	8.69	8.60	8.10
	25	7.19	6.70	6.55	6.65	6.93	7.24	7.51	8.10	8.48	8.89	8.88	8.85	8.09
	26	7.29	6.72	6.49	6.17	6.46	6.76	7.75	8.33	8.70	8.93	9.11	9.00	8.15
	27	8.22	7.44	7.09	6.94	6.98	7.07	7.33	7.98	8.57	8.70	8.89	8.68	8.37
	28	7.98	7.33	6.73	6.74	7.02	7.42	8.02	8.59	8.83	8.98	8.88	8.91	8.25
	29	7.64	7.16	6.83	6.68	6.97	7.34	7.86	8.55	9.28	9.60	9.67	9.70	8.37
	30	7.93	7.57	7.16	7.16	7.27	7.57	8.44	8.85	9.44	9.57	9.42	9.35	8.69
	31	6.98	6.30	5.95	5.87	6.22	6.82	7.69	8.29	8.80	8.52	8.91	8.64	8.04
Hourly Means.		7.68	7.13	6.83	6.83	7.07	7.39	7.94	8.51	8.98	9.15	9.15	9.07	8.34

STANDARD THERMOMETER.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	
JULY.	1	76.0	75.6	75.6	75.3	75.0	75.3	76.0	78.7	82.0	84.0	84.8	76.5	—
	2	75.7	75.5	75.3	74.5	73.8	73.2	74.0	76.2	80.1	82.0	84.0	86.3	—
	3	73.7	73.0	72.3	71.5	71.1	71.0	71.1	73.8	77.2	80.8	83.2	85.1	—
	4	76.0	75.0	74.2	73.9	73.5	73.5	73.7	75.3	78.5	81.8	82.7	83.2	—
	5	75.5	75.1	75.1	75.1	74.8	74.0	74.0	76.0	79.0	81.6	83.8	85.4	—
	6	77.5	76.4	75.5	75.0	74.5	74.2	74.6	76.2	78.4	82.0	83.5	85.0	—
	7	72.0	71.3	70.8	70.6	70.4	69.7	70.5	73.0	77.0	78.6	82.7	85.2	—
	8	75.2	74.7	74.0	73.8	73.3	73.1	73.3	76.1	79.0	81.9	83.7	84.7	—
	9	75.2	74.8	74.2	74.0	73.1	72.5	73.4	75.8	79.0	82.0	82.9	83.1	—
	10	76.1	75.0	74.1	73.9	73.1	73.0	73.3	76.2	79.0	81.4	83.1	83.8	—
	11	75.5	74.9	73.9	73.2	72.9	72.6	73.5	74.5	77.9	81.2	81.6	83.0	—
	12	76.7	76.4	75.4	75.4	75.6	74.6	74.2	76.3	79.1	81.7	84.6	85.6	—
	13	78.1	77.0	76.0	75.4	74.2	73.9	74.2	76.3	80.7	83.1	85.3	86.8	—
	14	75.5	74.7	73.8	73.4	73.0	73.0	73.2	74.7	77.2	83.4	86.4	87.6	—
	15	75.5	74.6	74.5	74.2	74.1	74.0	74.3	76.0	79.5	83.3	86.1	88.0	—
	16	76.0	75.3	74.6	74.1	74.0	73.5	74.0	77.0	80.1	83.0	84.5	86.0	—
	17	75.8	75.3	75.0	74.8	74.6	74.5	74.7	76.1	78.5	80.4	83.7	84.6	—
	18	75.9	75.9	75.4	75.2	75.0	74.6	73.6	73.1	73.9	76.7	79.4	82.5	—
	19	74.3	73.9	73.0	72.5	72.0	72.0	72.6	76.0	79.6	82.5	84.7	86.2	—
	20	75.7	75.3	75.1	75.0	74.3	74.1	74.4	75.4	79.8	82.8	84.6	85.3	—
	21	76.2	75.7	75.7	75.3	75.0	74.5	74.5	78.0	81.0	83.7	85.0	87.1	—
	22	74.5	73.9	73.6	73.0	72.4	71.9	72.0	74.6	78.5	82.2	85.0	86.6	—
	23	75.7	75.4	75.0	74.0	73.7	73.3	73.1	75.3	78.9	81.6	84.6	85.7	—
	24	74.3	74.0	73.7	72.8	72.3	71.8	72.1	74.9	79.0	81.9	84.2	85.7	—
	25	77.7	77.0	76.0	75.3	74.8	74.1	74.3	76.3	79.7	82.5	84.4	86.0	—
	26	77.1	76.7	76.5	76.1	75.0	74.5	75.0	76.5	80.0	83.0	85.0	85.5	—
	27	77.0	76.6	76.2	76.0	75.6	74.8	75.0	75.4	79.6	82.0	83.5	85.2	—
	28	76.0	75.7	75.2	74.8	73.8	72.9	73.3	76.8	80.2	83.1	85.3	87.1	—
	29	75.5	74.4	73.6	73.1	72.7	72.2	71.6	74.4	78.6	82.8	86.0	87.7	—
	30	76.0	75.3	74.6	74.6	74.5	74.0	73.6	76.6	80.9	84.2	86.7	86.8	—
	31	76.6	75.8	75.3	74.4	74.2	74.0	75.0	77.1	80.6	84.0	85.6	86.6	—
Hourly Means.		75.76	75.17	74.62	74.20	73.75	73.36	73.62	75.76	79.11	82.10	84.21	85.29	—
Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
JULY.	1	82.0	84.6	85.5	85.2	84.0	81.2	80.0	78.5	78.0	77.4	76.8	76.3	79.35
	2	87.3	88.2	88.0	87.1	85.3	82.6	80.1	78.6	76.7	75.8	75.0	74.5	79.58
	3	86.4	86.5	85.2	84.6	83.6	81.5	79.0	78.5	78.0	77.1	76.3	76.1	78.19
	4	85.0	85.5	84.0	83.3	82.6	81.3	80.0	78.6	77.6	77.3	76.5	75.7	78.70
	5	85.0	84.4	84.1	82.6	82.3	81.5	81.0	80.9	80.4	79.7	78.7	77.9	79.50
	6	84.3	85.1	85.5	84.0	82.0	80.7	79.0	77.5	76.0	75.1	74.8	73.0	78.74
	7	86.0	85.2	84.1	83.8	82.8	82.0	81.1	80.6	79.5	78.4	77.5	76.0	77.87
	8	85.0	85.4	85.7	84.0	82.7	81.7	80.5	79.0	78.0	77.1	76.5	76.0	78.93
	9	84.3	86.0	84.0	83.2	82.3	81.2	80.1	79.1	78.6	77.7	77.4	76.9	78.78
	10	85.1	85.2	83.8	83.0	82.8	81.4	80.0	79.4	78.4	77.6	77.4	76.6	78.86
	11	84.2	85.0	85.0	84.2	83.4	82.0	80.5	80.0	79.8	79.2	78.1	77.6	78.90
	12	86.5	85.4	86.0	84.5	83.7	82.8	81.8	81.0	80.3	80.0	79.2	78.8	80.23
	13	87.5	88.0	87.0	85.6	84.2	82.0	80.5	79.2	78.0	77.0	76.9	76.2	80.13
	14	88.8	88.0	87.5	87.2	85.1	83.0	81.0	79.7	79.0	77.8	76.7	76.2	79.83
	15	88.5	82.8	86.4	85.7	83.6	81.8	80.6	80.2	79.8	78.9	77.6	76.8	79.87
	16	85.7	85.4	83.3	80.0	79.0	78.6	78.0	77.3	77.0	76.7	76.4	76.0	78.56
	17	83.6	85.0	84.2	82.6	81.9	81.0	80.0	78.8	78.1	77.3	76.5	76.2	78.88
	18	82.9	83.7	83.7	83.9	83.0	80.1	79.5	78.5	77.9	77.0	76.2	75.5	78.05
	19	85.7	85.9	85.9	84.2	82.9	81.7	80.2	79.5	79.0	78.0	76.7	75.7	78.95
	20	86.0	83.4	84.0	84.5	84.0	81.9	80.2	79.2	78.7	78.0	77.2	77.0	79.41
	21	88.5	88.5	87.0	86.3	84.7	82.7	80.7	79.0	76.9	76.2	76.0	76.2	80.18
	22	86.2	86.0	85.6	85.0	84.0	82.2	81.0	80.0	78.6	77.4	76.9	76.4	79.06
	23	85.9	86.0	84.3	83.6	82.7	81.7	80.2	79.8	78.5	76.9	75.1	74.5	78.98
	24	86.3	86.3	85.0	84.0	83.0	82.0	81.0	80.0	79.6	79.6	79.2	78.7	79.23
	25	87.2	87.0	86.7	86.0	84.4	82.9	81.6	81.0	79.0	78.7	77.9	77.3	80.33
	26	85.3	85.4	84.7	83.9	83.0	82.0	81.6	81.0	80.4	79.6	78.5	77.7	80.17
	27	85.5	85.2	85.2	85.0	84.0	82.5	81.4	80.3	79.5	78.5	78.0	76.8	79.95
	28	87.9	86.1	86.5	85.1	83.9	82.2	81.1	80.1	78.9	78.0	76.9	75.9	79.87
	29	88.6	87.3	87.0	86.0	85.0	83.1	81.5	79.9	79.0	78.0	77.5	76.7	79.68
	30	87.0	86.8	86.9	86.0	84.9	83.4	82.0	81.2	80.1	79.0	78.5	77.4	80.46
	31	87.4	87.0	85.0	85.0	83.7	81.0	75.7	75.0	74.5	74.0	74.2	74.0	78.99
Hourly Means.		85.99	85.82	85.38	84.49	83.37	81.80	80.35	79.40	78.51	77.71	77.00	76.34	79.30

RELATIVE HUMIDITY OF THE AIR.

SATURATION = 1000.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
JULY.	1	898	905	905	914	922	897	856	792	714	647	631	874	—
	2	881	864	864	904	921	937	938	882	781	721	681	608	—
	3	895	910	910	918	918	918	909	869	796	697	651	583	—
	4	906	939	947	956	956	938	938	905	830	742	717	691	—
	5	905	905	905	905	913	912	912	873	823	763	727	685	—
	6	916	916	906	905	905	838	814	770	783	700	595	526	—
	7	884	882	899	899	899	916	890	843	756	702	603	553	—
	8	880	897	895	895	903	902	886	816	771	666	620	600	—
	9	939	922	921	921	929	910	869	840	793	708	684	684	—
	10	873	879	904	903	920	920	903	801	727	643	631	614	—
	11	872	888	903	920	902	919	877	870	789	684	693	671	—
	12	891	906	914	898	880	913	904	841	779	693	616	577	—
	13	852	875	898	880	921	921	921	882	709	630	570	531	—
	14	832	854	877	894	902	902	902	879	827	632	558	546	—
	15	864	896	887	887	912	929	921	890	802	677	618	576	—
	16	923	922	930	930	921	920	912	834	766	690	643	598	—
	17	915	930	930	922	930	930	922	857	822	760	653	657	—
	18	906	906	905	914	914	913	911	929	921	833	771	641	—
	19	921	921	929	937	928	928	929	849	765	702	643	593	—
	20	923	922	922	922	921	921	904	880	795	703	657	634	—
	21	923	923	923	922	905	922	922	844	769	686	644	583	—
	22	904	912	929	920	919	928	936	897	822	709	614	590	—
	23	872	889	897	930	920	920	929	888	822	712	663	653	—
	24	878	895	895	919	936	945	946	913	801	728	642	641	—
	25	900	906	915	922	930	930	921	890	786	716	655	630	—
	26	900	906	915	923	922	930	914	882	803	724	684	680	—
	27	899	899	915	906	905	922	914	922	818	751	686	608	—
	28	889	898	914	913	921	946	946	874	796	676	620	567	—
	29	905	913	929	946	946	919	927	887	770	578	503	468	—
	30	914	914	930	921	921	912	911	833	761	642	566	590	—
	31	916	915	922	930	921	921	897	819	738	679	628	608	—
Hourly Means.		896	904	911	915	918	919	909	863	788	697	741	615	—
Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
JULY.	1	808	676	628	639	680	776	818	861	868	892	899	882	808
	2	586	554	553	566	639	702	744	777	850	872	888	896	775
	3	535	554	614	644	660	706	838	853	867	883	923	915	790
	4	697	692	735	753	730	783	817	869	900	883	899	923	839
	5	684	701	721	765	778	813	812	797	818	840	877	907	823
	6	529	533	505	551	645	695	740	774	800	822	830	876	745
	7	558	596	615	626	675	713	746	753	794	814	828	873	763
	8	600	620	622	654	702	756	803	846	867	867	890	915	786
	9	663	642	700	724	700	711	751	800	814	852	859	866	800
	10	589	565	673	649	641	669	713	719	761	796	804	825	755
	11	635	619	625	635	664	708	804	803	810	839	876	875	787
	12	613	645	611	662	685	730	756	768	796	802	831	846	773
	13	522	571	579	591	622	666	723	763	797	818	817	825	745
	14	517	554	557	562	600	675	732	786	800	829	826	841	745
	15	573	817	650	634	692	742	811	840	848	862	900	906	797
	16	647	646	685	766	771	784	829	835	858	874	890	906	812
	17	705	644	642	737	784	797	825	800	829	859	882	873	817
	18	624	607	601	628	657	781	840	869	860	866	890	914	817
	19	672	616	641	700	745	791	841	855	862	884	916	923	812
	20	624	761	715	696	694	771	803	839	846	884	900	899	814
	21	579	549	578	593	642	702	746	793	866	889	881	873	777
	22	606	649	667	676	713	792	805	841	853	843	858	874	802
	23	636	675	702	748	731	757	825	847	853	891	831	861	811
	24	649	643	638	666	703	742	783	818	833	824	847	862	798
	25	635	634	645	662	715	731	784	797	862	869	876	900	800
	26	653	672	703	735	760	799	806	827	826	832	861	892	815
	27	660	653	646	632	713	772	791	818	848	861	868	866	803
	28	490	588	613	645	693	737	783	803	846	860	899	905	784
	29	474	581	562	598	632	676	748	780	838	868	867	874	758
	30	658	658	646	681	689	760	807	820	848	878	877	883	793
	31	575	640	683	696	725	719	915	905	930	930	904	903	809
Hourly Means.		613	631	637	662	693	741	792	815	840	858	871	883	792

DIRECTION OF THE WIND.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12
JULY.	1	E	E	E	E	E	ESE	ESE	ESE	ESE	ESE	ESE	ESE
	2	E	SE	SE	C	C	C	SE	SE	ESE	ESE	E	ESE
	3	E	E	E	C	C	C	E	SSE	S	S	ESE	SE
	4	ENE	C	ENE	C	ENE	C	ENE	ENE	SSW	SSW	SE	ESE
	5	C	C	NNE	C	NNE	NNE	NNE	NNE	NNE	NNW	W	NNE
	6	ENE	ENE	ENE	ENE	E	S	S	S	SSW	SSE	E	ESE
	7	C	ESE	ESE	ESE	C	ESE	SE	SE	SSW	SSW	SE	E
	8	C	NNE	NNE	NNE	NNE	NNE	NNE	ENE	SSW	SW	NW	WNW
	9	C	NE	NE	NE	NE	NE	NE	NNE	S	ESE	SE	SSW
	10	NE	NE	NE	C	C	NE	ENE	SSW	SSW	S	SSW	SW
	11	C	NE	NE	NE	C	NE	NE	E	S	ESE	E	E
	12	SSE	SSE	SSE	SSE	C	SSE	SSE	SSE	SSE	S	SE	ENE
	13	ENE	C	ENE	E	E	C	C	E	ESE	E	ESE	E
	14	E	E	C	C	E	E	E	ESE	ESE	ESE	E	NE
	15	C	C	C	SE	C	C	C	ESE	ESE	SE	ESE	E
	16	C	C	C	C	E	SSE	SSE	SSW	SSW	S	WSW	SSW
	17	C	C	C	C	C	C	NNE	NNE	N	N	NNW	N
	18	C	C	C	C	N	NW	WNW	W	W	WSW	W	SW
	19	C	C	C	C	C	ESE	ESE	ESE	ESE	E	E	ENE
	20	C	ENE	ENE	C	ENE	ENE	ENE	SSE	ESE	ESE	ESE	E
	21	ESE	ESE	ESE	ESE	ESE	ESE	ESE	SE	ESE	E	ESE	E
	22	C	C	C	C	C	C	E	E	ESE	E	ENE	E
	23	C	C	C	SSE	SSE	C	SSE	S	S	ENE	SE	NE
	24	ESE	ESE	C	C	ESE	ESE	ESE	ESE	E	E	NE	N
	25	C	NE	C	C	C	C	C	NE	NE	N	NNW	WSW
	26	C	N	C	C	C	C	N	NNW	WSW	SE	E	NE
	27	NE	NE	NE	NE	C	NE	NE	NE	ENE	ESE	NE	NE
	28	ESE	ESE	C	ESE	C	SE	SE	ESE	ESE	ESE	E	E
	29	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ESE	E	SE
	30	E	E	E	E	C	E	E	SE	E	S	E	NE
	31	NE	C	C	C	NE	C	NE	SSW	SSW	SSW	NW	NW
Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12
JULY.	1	E	E	E	E	E	E	E	E	E	E	E	E
	2	E	E	E	ENE	E	E	E	E	E	E	E	C
	3	ESE	ENE	ENE	ENE	NE	ENE	NE	NE	C	ENE	ENE	ENE
	4	NNE	N	NE	NE	NE	NNE	NNE	C	C	C	C	C
	5	NNE	N	N	N	N	N	N	N	NNE	C	NNE	NNE
	6	ENE	E	ENE	E	E	E	E	E	ESE	ESE	C	C
	7	NE	NE	NNE	NE	NNE	NNE	NNE	C	C	C	C	C
	8	NNE	NNE	NE	NE	NNE	NE	C	C	NE	C	C	C
	9	SSW	NE	NNE	NNE	NE	NNE	NE	NE	NE	NE	NE	NE
	10	NE	NNE	NNE	NE	NE	NE	NE	NE	C	NE	NE	C
	11	NE	NE	NNE	ENE	NE	NE	NE	NE	C	NE	NE	E
	12	NE	NE	ENE	NNE	NE	NE	ENE	ENE	ENE	ENE	ENE	C
	13	E	E	ENE	NE	NE	NE	E	E	E	E	E	E
	14	NE	NNE	NE	NE	ENE	NE	NE	ENE	ENE	C	ENE	ENE
	15	E	SE	E	E	E	E	E	E	E	E	E	C
	16	NE	N	NNE	NNE	NNE	NNE	NNE	C	C	C	C	C
	17	NE	NE	NE	NNE	NNE	N	N	C	C	C	C	C
	18	WNW	WNW	WNW	W	W	NNW	NNW	NNW	NNW	ESE	ESE	C
	19	NNE	NNE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE
	20	ENE	NE	NE	ENE	ENE	ENE	E	E	E	E	E	ESE
	21	E	E	ENE	ENE	ENE	E	E	E	C	C	E	E
	22	ENE	NNE	NNE	NNE	NE	NE	NE	NE	SSE	C	C	C
	23	NNE	NNE	NE	NE	NE	NE	NE	NE	NE	ENE	E	ESE
	24	NE	NE	N	NE	NE	NE	NE	C	NE	NE	C	C
	25	NNW	NE	NNE	NNW	N	N	N	C	C	C	C	C
	26	NNE	NE	NE	NE	NNE	N	NNE	NNE	NE	NE	NE	NE
	27	NNE	NNE	NE	NNE	NE	NE	NE	ENE	ENE	ENE	ENE	ENE
	28	ENE	NNE	NNE	NE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE
	29	E	N	NE	NE	ENE	ENE	ENE	E	C	E	C	C
	30	NNE	NNE	NE	NE	NE	NE	NE	C	C	C	NE	NE
	31	W	NNE	NNW	NNE	NE	SSW	WSW	SW	SW	SW	E	E

VELOCITY OF THE WIND IN KILOMETERS PER HOUR.

Mean Batavia Time.		1 A.M.	2	3	4	5	6	7	8	9	10	11	12	—
JULY.	1	1.6	3.2	3.2	3.2	5.6	6.4	4.0	11.3	17.7	21.7	21.7	14.5	—
	2	2.4	4.8	4.0	0.0	0.0	0.0	2.4	3.2	14.5	16.9	14.5	16.9	—
	3	0.8	1.6	0.8	0.0	0.0	0.0	1.6	4.8	4.8	6.4	9.7	11.3	—
	4	1.6	0.0	0.8	0.0	0.8	0.0	0.8	2.4	4.0	3.2	2.4	3.2	—
	5	0.0	0.0	0.8	0.0	1.6	1.6	2.4	3.2	1.6	3.2	3.2	8.0	—
	6	1.6	0.8	2.4	1.6	3.2	5.6	4.8	4.0	2.4	6.4	9.7	10.5	—
	7	0.0	0.8	2.4	1.6	0.0	1.6	2.4	2.4	3.2	2.4	4.8	8.9	—
	8	0.0	1.6	1.6	0.8	1.6	3.2	3.2	6.4	4.0	3.2	3.2	4.0	—
	9	0.0	0.8	1.6	0.8	1.6	3.2	3.2	4.0	3.2	4.0	4.0	2.4	—
	10	1.6	0.8	1.6	0.0	0.0	2.4	3.2	8.0	8.0	6.4	4.8	3.2	—
	11	0.0	0.8	0.8	0.8	0.0	1.6	1.6	3.2	2.4	4.8	1.6	4.0	—
	12	4.8	1.6	1.6	1.6	0.0	0.8	1.6	3.2	3.2	4.8	8.0	8.0	—
	13	0.8	0.0	1.6	1.6	0.8	0.0	0.0	1.6	6.4	12.9	11.3	10.5	—
	14	1.6	0.8	0.0	0.0	0.8	0.8	1.6	4.8	2.4	18.5	19.3	19.3	—
	15	0.0	0.0	0.0	0.8	0.0	0.0	0.0	2.4	8.0	14.5	17.7	20.1	—
	16	0.0	0.0	0.0	0.0	2.4	3.2	4.0	4.8	4.0	4.8	3.2	2.4	—
	17	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	1.6	2.4	3.2	4.8	—
	18	0.0	0.0	0.0	0.0	1.6	5.6	8.0	4.8	2.4	7.2	6.4	6.4	—
	19	0.0	0.0	0.0	0.0	0.0	0.8	1.6	4.8	9.7	12.1	12.1	12.1	—
	20	0.0	1.6	1.6	0.0	0.8	3.2	3.2	4.0	8.0	12.1	16.1	13.7	—
	21	0.8	3.2	4.0	3.2	4.0	0.8	2.4	7.2	11.3	13.7	14.5	16.1	—
	22	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	2.4	11.3	12.1	8.9	—
	23	0.0	0.0	0.0	0.8	1.6	0.0	1.6	2.4	1.6	3.2	6.4	8.0	—
	24	1.6	0.8	0.0	0.0	0.8	0.8	1.6	0.8	7.2	4.8	4.8	4.8	—
	25	0.0	1.6	0.0	0.0	0.0	0.0	0.0	0.8	1.6	2.4	4.0	3.2	—
	26	0.0	1.6	0.0	0.0	0.0	0.0	0.8	0.8	4.8	4.8	4.0	12.9	—
	27	0.8	0.8	0.8	0.8	0.0	0.8	0.8	1.6	4.8	5.6	9.7	10.5	—
	28	3.2	1.6	0.0	0.8	0.0	0.8	1.6	6.4	12.1	13.7	12.1	12.9	—
	29	0.8	0.8	2.4	2.4	3.2	2.4	2.4	1.6	3.2	8.0	12.1	9.7	—
	30	0.8	0.8	1.6	0.8	0.0	2.4	2.4	3.2	5.6	8.0	9.7	8.0	—
	31	0.8	0.0	0.0	0.0	1.6	0.0	1.6	4.8	6.4	6.4	4.8	4.8	—
Hourly Means.		0.83	0.98	1.08	0.70	1.03	1.55	2.17	3.72	5.56	8.06	8.75	9.16	—
Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
JULY.	1	15.3	22.5	20.1	19.3	14.5	8.0	4.8	1.6	1.6	2.4	3.2	3.2	9.61
	2	19.3	19.3	17.7	16.1	9.7	7.2	8.0	3.2	1.6	0.8	0.8	0.0	7.64
	3	13.7	15.3	12.1	9.7	9.7	10.5	8.0	1.6	0.0	2.4	2.4	1.6	5.37
	4	8.0	12.9	13.7	11.3	8.0	2.4	0.8	0.0	0.0	0.0	0.0	0.0	3.18
	5	11.3	11.3	12.9	10.5	10.5	6.4	5.6	4.8	1.6	0.0	0.8	1.6	4.29
	6	12.9	16.1	18.5	13.7	8.0	5.6	4.8	3.2	3.2	1.6	0.8	0.0	5.89
	7	12.1	13.7	12.9	10.5	6.4	2.4	0.8	0.0	0.0	0.0	0.0	0.0	3.72
	8	7.2	12.9	13.7	12.1	8.0	2.4	0.0	0.0	0.8	0.0	0.0	0.0	3.75
	9	4.8	11.3	13.7	12.1	10.5	4.8	3.2	1.6	1.6	1.6	1.6	1.6	4.05
	10	6.4	13.7	13.7	13.7	8.0	2.4	1.6	0.8	0.0	0.8	1.6	0.0	4.28
	11	11.3	12.1	11.3	12.1	8.0	4.0	0.8	0.8	0.0	0.8	1.6	4.8	3.72
	12	13.7	14.5	15.3	14.5	8.9	4.8	4.8	2.4	1.6	1.6	0.8	0.0	5.09
	13	11.3	15.3	17.7	16.1	11.3	7.2	3.2	2.4	3.2	2.4	2.4	3.2	5.97
	14	17.7	12.9	11.3	10.5	8.9	6.4	4.8	4.0	1.6	0.0	0.8	0.8	6.23
	15	15.3	11.3	16.1	20.1	14.5	15.3	6.4	4.8	4.8	0.8	0.8	0.0	7.24
	16	7.2	13.7	22.5	19.3	13.7	4.8	2.4	1.6	0.0	0.0	0.0	0.0	4.75
	17	7.2	14.5	13.7	8.9	4.8	1.6	0.8	0.8	0.0	0.0	0.0	0.0	2.75
	18	5.6	8.0	8.0	4.8	3.2	1.6	0.8	1.6	4.0	3.2	1.6	0.0	3.53
	19	14.5	13.7	16.1	16.9	14.5	8.0	3.2	2.4	0.8	1.6	1.6	1.6	6.17
	20	14.5	13.7	17.7	16.9	16.1	10.5	7.2	2.4	0.8	1.6	3.2	2.4	7.14
	21	16.1	15.3	18.5	19.3	14.5	9.7	5.6	0.8	0.0	0.0	2.4	1.6	7.71
	22	11.3	12.9	15.3	14.5	11.3	4.8	2.4	1.6	3.2	0.0	0.0	0.0	4.80
	23	12.1	14.5	17.7	17.7	12.9	4.8	0.8	1.6	3.2	3.2	2.4	1.6	4.92
	24	9.7	11.3	13.7	12.9	11.3	5.6	0.8	0.0	1.6	0.8	0.0	0.0	3.99
	25	7.2	11.3	10.5	8.9	7.2	3.2	0.8	0.8	0.0	0.0	0.0	0.0	2.65
	26	14.5	15.3	16.1	17.7	10.5	6.4	3.2	0.8	2.4	2.4	0.8	0.8	5.03
	27	14.5	16.1	14.5	12.1	9.7	4.8	4.0	1.6	1.6	1.6	2.4	4.0	5.26
	28	12.9	14.5	17.7	15.3	12.9	10.5	5.6	3.2	1.6	2.4	1.6	1.6	6.88
	29	9.7	15.3	16.1	15.3	12.1	9.7	4.0	2.4	0.0	0.8	0.0	0.0	5.60
	30	14.5	16.1	16.9	12.9	12.9	6.4	0.8	0.8	0.0	0.0	0.8	1.6	5.29
	31	4.0	11.3	12.1	9.7	4.8	8.9	5.6	3.2	1.6	2.4	6.4	4.8	4.42
Hourly Means.		11.48	13.95	15.09	13.72	10.24	6.16	3.41	1.91	1.37	1.14	1.32	1.19	5.19

CLOUDS.

CLEAR = 0. — OVERCAST = 10.

Mean Batavia Time.	1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—	
JULY.	1	10	6	9	9	7	7	3	1	2	4	7	10	—
	2	2	1	1	0	0	2	1	9	7	2	3	1	—
	3	3	2	3	1	1	2	3	4	6	6	6	8	—
	4	2	4	6	5	5	6	7	9	2	4	6	5	—
	5	2	8	8	7	8	9	6	4	3	3	6	5	—
	6	7	7	6	8	6	7	5	4	3	4	6	9	—
	7	1	1	0	0	1	2	1	2	3	7	6	4	—
	8	2	1	2	1	0	0	2	2	3	4	3	7	—
	9	6	3	5	2	5	6	3	2	2	3	6	7	—
	10	6	3	2	1	0	2	6	3	3	2	4	6	—
	11	6	6	6	4	4	7	10	7	3	2	7	6	—
	12	9	10	10	10	6	4	6	6	4	4	5	3	—
	13	4	4	2	1	2	3	4	6	3	3	2	4	—
	14	3	5	7	7	9	9	9	9	9	3	2	3	—
	15	2	1	2	10	10	10	9	7	7	6	6	5	—
	16	6	7	4	3	2	2	1	2	1	3	7	8	—
	17	9	8	7	9	10	10	1	7	7	5	4	8	—
	18	9	7	8	9	9	10	10	10	10	9	10	10	—
	19	7	7	7	3	5	9	3	2	1	2	3	3	—
	20	5	2	3	3	3	5	6	5	5	6	6	7	—
	21	7	9	6	6	5	6	5	2	1	3	7	5	—
	22	2	1	1	3	6	6	6	4	3	6	4	8	—
	23	9	9	3	1	0	2	2	1	0	3	5	3	—
	24	2	3	3	5	3	1	1	1	3	6	6	7	—
	25	3	2	2	0	0	1	2	1	1	3	3	6	—
	26	6	10	7	6	6	6	7	9	3	5	6	4	—
	27	3	2	6	7	3	5	10	10	6	8	5	4	—
	28	3	2	1	1	0	2	1	0	1	3	5	6	—
	29	2	3	3	2	2	1	1	1	0	0	0	2	—
	30	1	1	0	2	5	6	2	2	6	3	2	6	—
	31	6	5	6	4	7	6	7	4	3	3	3	2	—

Hourly Means.	4.7	4.5	4.4	4.2	4.2	5.0	4.5	4.4	3.6	4.0	4.9	5.5	—
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Mean Batavia Time.	1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.	
JULY.	1	7	5	5	3	4	6	3	2	1	2	2	1	4.8
	2	4	4	3	4	4	2	4	3	2	3	5	5	3.0
	3	3	6	8	6	7	6	6	5	7	4	8	4	4.8
	4	5	3	3	4	3	2	2	3	2	4	2	4	4.1
	5	6	2	2	2	3	4	6	6	4	2	3	5	4.8
	6	7	7	5	6	6	7	2	1	2	3	2	1	5.0
	7	5	4	3	3	4	9	9	7	7	7	5	3	3.9
	8	8	7	8	8	9	8	6	7	8	7	7	5	4.8
	9	7	3	2	2	3	6	5	8	9	9	9	7	5.0
	10	3	2	1	1	1	8	8	7	6	6	9	9	4.1
	11	6	6	3	5	3	6	9	10	10	8	9	9	6.3
	12	6	6	5	3	3	10	7	9	7	7	7	9	6.5
	13	8	5	3	4	2	6	3	2	0	2	8	1	3.4
	14	2	3	6	7	4	8	4	2	4	6	4	1	5.3
	15	6	9	4	7	9	8	8	6	6	8	9	9	6.8
	16	6	6	9	7	5	6	9	8	9	9	9	9	5.8
	17	9	7	6	5	5	6	6	8	7	7	9	8	7.0
	18	9	6	8	6	9	9	10	10	9	8	8	7	8.8
	19	7	5	4	3	3	1	4	9	7	8	7	5	4.8
	20	8	10	8	6	7	3	2	2	4	3	1	4	4.8
	21	6	4	7	3	3	2	1	2	3	2	1	1	4.0
	22	7	6	5	5	3	2	3	5	3	4	5	5	4.3
	23	3	2	1	1	0	1	2	1	2	0	1	3	2.3
	24	3	3	1	1	0	2	1	4	10	10	10	6	3.8
	25	3	3	1	0	0	1	1	1	1	0	2	4	1.7
	26	2	1	3	6	7	7	3	8	4	7	3	5	5.5
	27	4	3	3	2	4	5	8	3	3	2	2	3	4.6
	28	6	4	3	2	1	4	2	1	1	1	1	1	2.2
	29	3	2	2	2	2	3	1	3	6	5	4	4	2.3
	30	2	1	3	3	3	2	2	1	4	2	2	3	2.7
	31	6	4	7	7	6	9	10	10	10	10	10	9	6.4

Hourly Means.	5.4	4.5	4.3	4.0	4.0	5.1	4.7	5.0	5.1	5.0	5.3	4.8	4.6
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BAROMETRIC PRESSURE.

BAROMETER AT 0° C = 750 MILLIMETRES + THE NUMBERS IN THE TABLE.

Mean Batavia Time.		1 A.M.	2	3	4	5	6	7	8	9	10	11	12	—
AUGUST.	1	7.81	7.32	6.88	6.73	6.93	7.18	7.72	8.22	8.20	8.05	7.55	6.87	—
	2	7.65	7.21	6.76	6.73	6.87	7.20	7.66	8.03	8.46	8.42	8.11	7.57	—
	3	8.89	8.67	8.11	8.18	8.26	8.63	9.10	9.53	9.64	9.45	9.06	8.65	—
	4	8.77	8.69	8.16	7.97	8.09	8.37	8.78	9.28	9.39	9.25	8.93	8.00	—
	5	8.34	7.86	7.76	7.62	7.71	7.72	8.23	8.83	8.99	8.66	8.40	7.73	—
	6	8.72	8.10	7.92	7.87	7.96	8.35	8.81	9.28	9.44	9.35	8.99	8.43	—
	7	9.80	9.49	9.22	9.05	9.22	9.68	10.15	10.59	10.86	10.53	10.08	9.66	—
	8	9.49	8.82	8.60	8.57	8.77	9.18	9.93	10.39	10.40	10.22	9.70	9.05	—
	9	9.01	8.70	8.37	8.19	8.42	8.55	9.02	9.49	9.65	9.35	9.03	9.41	—
	10	9.43	8.76	8.27	8.27	8.43	8.86	9.61	9.94	10.05	9.84	9.38	8.67	—
	11	9.45	9.14	8.76	8.44	8.40	8.83	9.63	9.99	10.31	9.99	9.59	9.04	—
	12	9.12	8.85	8.42	8.45	8.68	9.01	9.22	9.88	9.99	9.78	9.17	8.69	—
	13	9.09	8.77	8.61	8.41	8.45	8.82	9.43	9.99	10.03	9.93	9.52	8.70	—
	14	8.62	8.56	8.40	8.47	8.70	8.98	9.64	10.14	10.36	9.87	9.18	8.51	—
	15	8.74	8.26	8.20	8.32	8.36	8.42	8.82	9.02	9.11	8.75	8.22	7.62	—
	16	7.95	7.74	7.51	7.42	7.45	7.80	8.18	8.82	8.01	8.64	8.30	7.87	—
	17	8.94	8.72	8.39	8.26	8.38	8.66	8.83	9.32	9.76	9.38	8.83	8.39	—
	18	8.77	8.40	7.97	7.90	7.83	7.90	8.47	8.80	9.02	8.75	8.03	7.56	—
	19	7.90	7.55	7.56	7.59	7.60	7.72	8.23	8.71	8.94	8.78	8.05	7.53	—
	20	7.67	7.26	6.93	6.88	7.18	7.73	8.15	8.62	9.01	9.06	8.48	8.22	—
	21	8.25	7.81	7.54	7.26	7.45	7.93	8.78	9.18	9.40	9.10	8.48	7.73	—
	22	9.67	9.34	9.19	9.12	9.30	9.61	9.76	10.05	10.33	10.27	9.56	8.58	—
	23	9.79	9.48	9.27	9.26	9.46	9.85	10.43	10.86	11.00	10.77	10.32	9.59	—
	24	9.97	9.75	9.49	9.32	9.38	9.79	10.55	11.18	11.13	10.97	10.36	9.57	—
	25	9.57	9.05	8.87	8.64	9.05	9.29	9.80	10.19	10.37	10.13	9.65	8.93	—
	26	9.04	8.61	8.22	8.05	8.11	8.42	9.11	9.35	9.60	9.33	8.78	8.22	—
	27	8.74	8.30	8.21	8.17	8.21	8.60	9.21	9.73	9.80	9.62	9.06	8.34	—
	28	8.49	8.28	7.85	7.95	7.96	8.35	9.27	9.45	9.90	9.88	9.46	8.93	—
	29	8.76	8.27	7.86	7.72	7.80	7.97	8.48	9.32	9.54	9.43	9.02	8.31	—
	30	8.12	7.87	7.48	7.36	7.48	7.80	8.22	8.45	8.63	8.57	8.35	7.84	—
	31	8.45	8.07	7.85	7.71	7.64	8.24	8.87	9.91	10.00	9.79	9.44	8.92	—
Hourly Means.		8.81	8.44	8.15	8.06	8.18	8.50	9.04	9.50	9.66	9.48	9.00	8.42	—
Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
AUGUST.	1	6.51	6.26	5.84	5.51	5.58	5.81	6.47	7.20	7.73	7.91	8.06	7.95	7.10
	2	6.98	6.38	6.20	6.18	6.43	6.99	7.25	7.73	8.59	8.94	9.16	9.29	7.53
	3	8.07	7.48	7.28	7.33	7.49	7.63	8.00	8.69	9.03	9.49	9.52	9.37	8.56
	4	7.73	7.28	6.82	6.81	6.99	7.32	7.62	8.00	8.58	8.76	8.89	8.75	8.22
	5	6.83	6.36	6.23	6.29	6.53	7.07	8.03	8.62	8.91	9.01	9.15	9.10	7.92
	6	7.88	7.69	7.20	7.19	7.38	7.70	8.40	8.85	9.33	9.90	10.05	9.78	8.52
	7	8.95	8.46	8.06	8.07	8.45	8.53	9.03	9.60	10.23	10.24	10.27	9.89	9.50
	8	8.15	7.51	7.08	6.96	7.22	7.78	8.54	9.26	9.80	9.84	9.88	9.57	8.95
	9	7.52	6.91	6.81	6.71	7.12	7.65	7.93	8.77	9.23	9.72	9.70	9.68	8.54
	10	7.98	7.21	6.65	6.87	7.36	8.46	9.00	9.57	9.97	10.22	10.28	10.04	8.88
	11	8.42	7.86	7.53	7.38	7.53	7.79	8.39	9.19	9.64	9.80	9.73	9.67	8.94
	12	8.40	7.52	7.06	6.99	7.31	7.70	8.29	8.83	9.57	9.60	9.63	9.48	8.74
	13	7.74	7.20	6.85	6.88	7.07	7.38	8.30	8.87	9.14	9.52	9.43	9.26	8.64
	14	8.01	7.41	6.92	6.68	6.73	7.08	7.39	7.79	8.56	9.04	9.05	8.89	8.46
	15	7.09	6.71	6.31	6.14	6.58	6.74	7.25	7.78	8.18	8.41	8.50	8.53	7.92
	16	7.46	6.96	6.64	6.44	6.68	6.82	7.68	8.55	9.19	9.32	9.35	9.06	7.91
	17	7.97	7.37	6.97	6.72	6.76	7.44	7.63	8.18	8.83	9.05	9.10	8.82	8.36
	18	6.73	6.32	5.82	5.62	5.86	6.67	7.54	8.32	8.60	8.68	8.73	8.56	7.79
	19	6.89	6.29	5.91	6.07	6.54	7.08	7.31	8.40	8.39	8.47	8.31	7.99	7.66
	20	7.35	6.38	6.33	6.53	6.89	7.46	8.04	8.58	9.07	9.30	9.30	9.06	7.90
	21	7.41	6.99	6.76	6.84	7.04	7.41	8.12	8.63	8.95	9.64	9.79	9.73	8.18
	22	7.93	7.63	7.18	7.18	7.69	7.86	8.73	9.47	9.82	10.12	10.12	9.94	9.10
	23	8.81	8.16	7.83	7.78	7.94	8.48	9.48	10.47	10.66	10.77	10.70	10.54	9.65
	24	8.95	8.38	8.06	7.94	7.97	8.47	8.97	9.68	10.08	10.18	10.07	9.99	9.59
	25	8.02	7.42	7.11	7.02	7.31	7.81	8.50	9.17	9.59	9.84	9.92	9.79	8.96
	26	7.72	7.21	6.68	6.64	6.96	7.21	8.02	8.85	9.29	9.62	9.48	9.05	8.40
	27	7.68	7.06	6.59	6.68	6.93	7.47	8.14	9.03	9.46	9.59	9.54	9.13	8.47
	28	7.97	7.23	6.77	7.23	7.95	8.38	8.84	9.25	9.44	9.59	9.50	9.44	8.64
	29	7.40	6.62	6.16	6.16	6.46	7.65	7.73	8.15	8.50	8.49	8.26	8.29	8.01
	30	7.16	6.32	5.56	5.82	6.09	6.76	7.56	8.38	8.83	9.08	9.23	9.04	7.75
	31	8.20	7.19	6.83	6.87	6.97	7.02	7.06	7.36	7.80	7.86	8.07	8.14	8.09
Hourly Means.		7.74	7.15	6.78	6.76	7.03	7.47	8.04	8.68	9.13	9.35	9.38	9.22	8.42

STANDARD THERMOMETER.

Mean Batavia Time.		1 A.M.	2	3	4	5	6	7	8	9	10	11	12	—
AUGUST.	1	73.5	73.5	73.8	74.1	74.0	73.8	73.7	75.6	78.8	81.5	84.0	85.7	—
	2	75.0	73.9	73.2	72.5	72.1	71.6	72.0	74.4	78.3	82.7	84.5	86.0	—
	3	75.0	74.3	73.8	73.3	73.0	72.7	73.0	76.1	79.8	83.0	85.0	86.4	—
	4	75.9	75.2	75.2	75.0	74.2	74.2	74.0	75.1	77.7	80.4	82.7	84.4	—
	5	76.0	75.1	74.6	74.1	74.0	73.6	74.0	75.2	78.5	81.2	83.5	85.1	—
	6	75.6	75.2	74.8	74.6	74.2	73.9	74.1	76.5	79.3	81.0	82.8	82.5	—
	7	75.0	75.0	74.4	73.9	73.4	73.1	73.2	75.6	78.3	80.9	82.9	84.5	—
	8	75.7	75.0	74.5	73.9	73.3	73.0	73.6	76.5	79.9	82.0	84.0	84.9	—
	9	76.0	75.2	75.0	74.4	74.0	73.5	73.7	76.0	78.4	81.4	83.8	84.2	—
	10	76.0	74.8	74.5	74.1	73.5	73.0	73.5	76.0	79.4	82.7	85.2	87.1	—
	11	76.0	75.3	74.7	74.7	73.8	72.4	72.6	73.7	77.5	83.1	85.7	87.6	—
	12	75.4	74.5	73.9	73.0	72.3	71.9	72.3	73.7	78.5	81.7	83.8	85.0	—
	13	74.7	73.6	73.0	72.1	71.7	71.5	72.4	74.9	78.7	81.3	84.9	87.4	—
	14	74.1	73.6	73.0	72.6	71.9	71.3	73.0	75.7	79.1	82.9	85.0	87.5	—
	15	75.7	75.5	74.7	74.5	74.3	74.5	75.6	78.0	81.0	83.0	85.1	86.5	—
	16	76.7	76.1	75.3	74.7	74.0	74.0	73.7	76.5	79.8	82.5	83.0	85.0	—
	17	75.2	74.0	73.6	73.1	72.3	72.0	72.6	75.6	79.8	82.8	85.6	85.6	—
	18	74.8	74.0	73.7	73.0	72.8	72.6	74.1	76.9	80.2	83.5	85.4	86.6	—
	19	75.2	75.0	74.5	74.2	74.0	73.6	74.0	77.4	81.2	83.5	85.8	87.1	—
	20	73.7	73.5	73.3	73.3	73.3	73.5	74.3	76.2	80.0	81.4	83.6	85.1	—
	21	75.6	75.0	74.1	73.4	72.7	72.0	72.3	75.3	79.9	82.6	84.6	86.1	—
	22	76.0	75.2	74.2	73.5	73.0	72.9	73.7	76.7	80.6	82.7	85.3	87.0	—
	23	75.0	74.0	73.4	73.0	72.6	72.2	73.0	75.5	79.7	82.9	85.2	86.8	—
	24	76.2	75.8	75.6	75.0	75.0	75.3	75.5	77.8	81.0	83.5	85.7	87.9	—
	25	76.1	75.8	75.6	75.6	75.6	75.3	75.4	76.0	78.0	78.9	81.0	84.9	—
	26	74.0	73.9	73.9	73.9	73.6	73.6	73.6	75.0	79.5	82.6	84.7	85.0	—
	27	76.1	75.4	74.9	74.0	73.5	72.4	73.0	75.6	79.5	83.4	85.6	86.6	—
	28	77.0	77.0	76.4	76.2	75.9	75.0	75.7	77.7	80.2	82.2	84.6	84.1	—
	29	73.9	73.1	73.0	72.5	72.2	72.1	72.4	73.5	76.0	79.3	82.1	85.0	—
	30	73.6	73.4	73.4	73.0	72.2	71.5	72.5	76.2	79.8	82.5	85.0	88.1	—
	31	76.2	75.8	75.5	75.2	75.1	75.1	74.8	75.2	75.5	76.3	77.2	77.2	—
Hourly Means.		75.32	74.73	74.31	73.88	73.47	73.13	73.59	75.81	79.16	81.92	84.11	85.58	—
Mean Batavia Time.		1 P.M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
AUGUST.	1	85.1	84.5	84.3	83.5	83.3	82.1	81.3	80.3	79.3	77.8	76.6	76.1	79.01
	2	86.5	87.6	86.7	85.6	83.7	81.9	80.5	79.0	78.0	77.2	76.2	75.6	78.95
	3	86.8	86.1	85.6	85.0	84.2	82.4	81.1	80.1	79.7	78.3	77.4	76.5	79.53
	4	85.0	85.2	84.3	83.4	82.9	81.8	80.0	79.5	79.0	78.6	78.0	77.4	79.13
	5	86.5	85.4	84.4	83.7	82.9	81.7	80.6	79.5	78.4	77.2	76.9	76.0	79.09
	6	84.5	80.0	83.0	83.0	82.0	81.0	79.7	78.7	78.0	77.3	76.5	75.8	78.50
	7	83.7	83.9	83.6	82.7	82.0	81.1	80.0	79.5	79.0	78.5	77.1	76.1	78.64
	8	85.5	84.8	84.6	84.0	83.0	82.0	80.5	79.5	79.3	78.3	77.3	75.7	79.20
	9	85.2	84.6	84.4	83.6	83.0	81.7	81.0	80.5	79.8	78.5	78.3	77.2	79.31
	10	87.5	87.8	88.5	86.0	82.2	80.7	78.0	77.5	77.1	76.7	76.4	76.4	79.36
	11	88.4	86.8	86.0	84.6	83.9	82.1	81.0	79.2	78.5	77.9	77.0	75.8	79.51
	12	84.5	84.8	84.6	83.2	82.2	81.5	80.3	79.9	78.5	78.3	77.2	75.9	78.62
	13	88.1	87.3	85.5	85.0	84.4	82.7	81.0	79.3	77.5	76.7	76.0	74.6	78.93
	14	87.7	87.0	85.8	85.0	84.0	82.8	81.2	79.6	78.4	77.8	77.3	77.1	79.31
	15	87.7	86.0	85.0	84.2	83.0	82.0	81.0	80.2	79.4	78.2	78.2	77.4	80.03
	16	86.1	85.7	85.2	84.1	83.2	82.0	80.0	78.8	78.8	78.1	76.6	76.1	79.42
	17	86.7	86.1	85.5	85.0	84.0	82.6	81.0	79.0	77.9	77.0	76.2	75.3	79.10
	18	86.2	86.0	86.0	84.7	84.2	82.8	82.0	80.9	79.2	77.7	76.7	75.7	79.57
	19	86.8	86.2	85.6	84.6	83.5	82.7	82.0	75.6	74.7	74.4	74.2	74.2	79.17
	20	86.7	88.0	85.0	84.5	83.5	82.2	81.5	80.4	78.9	77.0	76.8	76.0	79.24
	21	86.0	86.0	85.5	84.3	83.1	82.0	80.3	79.1	79.4	78.6	77.1	76.7	79.24
	22	87.1	86.5	85.1	84.5	83.2	82.0	80.5	79.8	79.0	77.3	77.0	75.8	79.53
	23	86.2	86.4	86.1	85.4	84.1	83.0	81.0	80.1	79.8	79.0	77.6	76.6	79.53
	24	88.9	88.9	86.0	84.2	83.5	82.4	81.7	79.2	78.3	77.6	77.4	76.9	80.35
	25	85.3	86.2	86.0	84.2	82.9	82.0	81.0	80.4	79.2	77.6	74.6	74.7	79.26
	26	84.1	84.3	85.0	85.0	83.3	82.5	81.7	81.0	79.4	78.0	77.2	76.5	79.22
	27	86.0	86.6	85.5	85.0	84.5	83.5	83.2	82.5	81.9	79.9	79.0	77.9	80.23
	28	83.1	84.7	84.4	83.2	78.6	76.5	75.5	75.0	74.6	74.6	74.2	73.9	78.35
	29	85.6	85.6	85.3	84.0	83.3	79.9	76.2	75.6	75.0	74.5	74.5	74.1	77.45
	30	87.6	88.0	87.0	86.0	84.8	82.9	81.4	80.3	79.1	78.2	77.7	76.8	79.63
	31	79.0	80.5	82.2	84.0	82.0	80.0	79.0	78.0	77.8	77.0	76.5	75.6	77.53
Hourly Means.		85.94	85.70	85.22	84.36	83.17	81.82	80.49	79.29	78.48	77.54	76.76	76.01	79.16

RELATIVE HUMIDITY OF THE AIR.

SATURATION = 1000.

Mean Batavia Time.	1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—	
AUGUST.	1	929	938	938	947	921	844	861	864	756	713	622	592	—
	2	854	877	886	885	884	883	892	829	738	623	611	568	—
	3	888	904	912	929	929	928	910	849	736	657	587	564	—
	4	840	831	823	813	837	829	853	823	767	731	661	585	—
	5	898	922	930	921	887	860	837	806	731	670	632	632	—
	6	948	947	956	947	956	965	947	899	802	755	684	738	—
	7	922	913	930	938	938	920	911	864	807	739	710	656	—
	8	905	913	921	929	937	937	903	842	758	668	661	639	—
	9	898	905	947	947	921	920	920	856	807	712	653	654	—
	10	923	930	930	921	929	929	921	881	786	683	633	533	—
	11	744	766	756	732	769	798	799	802	707	561	520	484	—
	12	840	871	878	902	910	892	884	853	770	686	660	632	—
	13	897	920	920	928	849	857	825	782	674	590	508	448	—
	14	887	886	894	902	901	900	843	808	764	636	582	528	—
	15	905	898	904	904	887	896	864	829	733	670	614	601	—
	16	866	881	914	930	938	912	921	866	787	702	651	582	—
	17	888	921	903	911	919	918	885	840	765	671	592	617	—
	18	888	912	911	920	902	902	853	803	730	627	577	577	—
	19	823	805	829	820	819	827	820	743	664	620	561	532	—
	20	956	964	946	929	920	903	912	857	766	719	686	639	—
	21	759	781	803	810	825	849	858	783	658	696	581	557	—
	22	898	905	887	886	876	868	828	794	702	670	620	591	—
	23	879	869	877	886	885	893	860	807	713	604	528	502	—
	24	808	815	799	814	790	799	767	707	622	574	525	513	—
	25	761	737	737	744	737	735	721	715	677	696	654	543	—
	26	762	746	738	754	769	786	794	773	670	596	563	570	—
	27	856	864	863	869	869	893	876	823	728	606	549	547	—
	28	874	882	899	898	898	930	915	844	759	702	663	667	—
	29	929	946	946	946	936	936	946	938	873	772	721	645	—
	30	920	929	929	937	936	954	919	856	786	690	625	543	—
	31	906	905	905	922	922	914	913	905	889	906	891	900	—
Hourly Means.	873	880	884	888	884	883	870	827	746	676	623	593	—	
Mean Batavia Time.	1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.	
AUGUST.	1	677	682	668	712	704	742	776	810	800	835	833	832	792
	2	546	535	602	640	672	680	759	814	844	851	890	889	761
	3	614	617	647	664	706	764	775	803	855	877	883	850	785
	4	564	540	590	612	635	693	736	772	793	821	829	843	743
	5	553	608	642	659	696	741	774	816	845	883	899	923	782
	6	676	903	759	717	771	812	848	885	908	924	923	923	858
	7	706	693	705	731	742	747	817	832	854	869	900	906	823
	8	640	657	663	674	711	757	811	839	847	877	891	905	804
	9	639	636	656	672	724	756	790	811	833	876	876	916	805
	10	581	613	621	713	715	724	829	812	827	778	770	746	780
	11	515	558	561	585	679	686	725	801	814	820	818	841	702
	12	642	664	657	672	722	749	774	779	807	814	843	889	783
	13	480	534	603	587	610	695	732	771	827	842	848	871	733
	14	523	597	628	624	665	689	746	793	829	852	859	858	758
	15	622	668	697	707	703	736	769	796	816	852	852	867	783
	16	587	584	607	608	657	713	766	800	800	821	866	881	777
	17	602	619	635	626	615	682	753	814	836	858	865	872	775
	18	618	598	611	651	668	702	728	768	801	820	826	832	759
	19	577	545	603	675	719	738	728	889	921	930	930	930	752
	20	627	620	691	696	705	737	791	842	777	764	725	737	788
	21	598	587	634	635	724	764	796	816	824	838	867	874	747
	22	597	613	645	682	739	771	789	840	847	900	891	923	782
	23	581	570	568	576	615	650	725	773	773	778	781	803	729
	24	468	566	623	681	698	701	699	718	745	765	757	733	695
	25	548	522	563	615	635	666	725	759	748	705	820	764	689
	26	615	571	574	574	630	660	691	710	764	806	819	833	699
	27	557	583	578	607	611	612	671	709	741	816	838	867	731
	28	711	663	668	711	769	865	889	922	921	921	930	930	826
	29	591	597	602	647	712	742	898	930	930	913	913	930	831
	30	600	595	602	629	669	717	783	811	839	853	867	891	787
	31	801	811	737	665	700	795	808	836	844	859	866	889	854
Hourly Means.	602	618	634	653	688	725	771	809	826	842	854	863	771	

DIRECTION OF THE WIND.

Mean Batavia Time.	1 A. M.	2	3	4	5	6	7	8	9	10	11	12
AUGUST.	1	E	E	E	SSW	SSW	SSW	SE	ESE	E	ESE	SE
	2	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	ESE	E	ESE
	3	C	C	C	C	C	E	E	S	SSW	SW	SE
	4	ESE	SE	S	SSW	SSW	SSW	SSW	SSW	SSW	SSW	E
	5	N	N	N	N	N	WSW	WSW	WSW	SW	SSW	NW
	6	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ESE	S	SSE	E
	7	N	N	N	C	N	N	N	NNW	NNW	WSW	SSW
	8	C	NE	C	C	NE	NE	NE	NE	SSW	SW	E
	9	C	NNE	S	S	S	S	S	S	S	SSE	S
	10	N	N	C	C	C	C	N	NW	W	W	SW
	11	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	WSW	SSW	SW
	12	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	S	ENE	NE
	13	ENE	ENE	ENE	S	S	S	SSW	SSW	SW	SSW	ENE
	14	C	ENE	ENE	C	C	ENE	SSW	SSW	SSW	SE	SSE
	15	NE	NE	NE	NE	ENE	ENE	ENE	ESE	ESE	E	E
	16	NNE	NNE	NNE	NNE	NNE	C	NNE	NNE	ESE	S	SSE
	17	NE	NE	NE	NE	NE	C	NE	ENE	SSE	SE	S
	18	C	C	C	NE	NE	NE	S	SE	SE	S	NE
	19	S	S	S	S	S	S	S	SSW	SW	WNW	WNW
	20	SSE	SSE	SSE	SSE	SSE	SSE	SSE	S	S	S	WNW
	21	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSE	SE	NE
	22	C	N	N	N	N	W	WSW	SSW	SSE	S	ENE
	23	NNE	NNE	NNE	NNE	NNE	C	C	ENE	SSW	S	E
	24	SSE	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SW	SW	S
	25	SW	SW	SW	SW	SW	SW	SW	SW	SSW	SSW	SW
	26	SW	SW	SW	SW	SW	C	C	SW	SSW	SSE	E
	27	C	NNE	C	C	C	C	C	C	ENE	ENE	ESE
	28	C	C	C	C	C	C	C	ENE	N	N	NE
	29	C	C	C	C	C	C	C	C	SSW	SSW	NNE
	30	C	C	C	C	C	C	SSE	C	ESE	ESE	E
	31	C	C	C	C	C	C	ENE	NNW	WNW	C	NNE

Mean Batavia Time.	1 P. M.	2	3	4	5	6	7	8	9	10	11	12
AUGUST.	1	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE
	2	E	ESE	ENE	NE	NE	ENE	ENE	ENE	E	E	E
	3	NNE	NE	NE	NE	NE	NE	ENE	ENE	ENE	ENE	ESE
	4	NE	NE	NNE	N	NNE	N	C	C	C	N	N
	5	NE	N	N	N	N	N	C	C	C	N	N
	6	NNE	ESE	NNE	NE	NNE	N	C	C	C	N	N
	7	N	N	N	NNE	NE	NE	C	C	NE	NE	NE
	8	N	NE	NE	NNE	NE	NNE	C	C	C	C	NNE
	9	NNE	NNE	NNE	NNE	N	N	N	C	C	C	C
	10	NNW	N	N	N	NW	S	ESE	S	SSW	SSW	SSW
	11	NE	N	NNE	N	N	N	N	N	N	ENE	ENE
	12	NE	NE	NE	NE	NE	NE	NE	ENE	ENE	ENE	ENE
	13	ENE	NE	NNE	NNE	NE	ENE	ENE	ENE	ENE	C	C
	14	E	NNE	NE	NE	NNE	NE	NE	C	C	C	C
	15	NNE	NE	NNE	NE	N	NNE	NNE	NNE	NNE	NNE	NNE
	16	NNE	NE	NE	NE	NE	NE	C	C	NE	NE	NE
	17	NE	NNE	NE	NE	NE	NE	C	NE	NE	NE	C
	18	NE	NNE	NE	NE	NE	NE	NE	NE	SSW	SSW	S
	19	NNE	N	N	NNW	NNW	N	N	S	SSE	SSE	SSE
	20	NW	ENE	NNE	N	N	NNW	NNW	NNW	NW	SW	SW
	21	NNE	NNE	NE	NNE	NE	N	C	C	C	C	C
	22	NNE	NE	NNE	NNE	NNE	NNE	C	C	C	C	C
	23	NNE	NE	NNE	NE	NE	NE	C	C	C	NE	NE
	24	ENE	NNE	NNE	NE	ENE	NE	NE	SSW	WSW	SW	SW
	25	SSW	NNW	N	N	NNE	N	C	C	N	SSW	SSW
	26	NE	NNE	N	NNE	NNE	NNE	C	C	C	C	C
	27	N	NE	NE	NE	NE	NE	C	C	C	C	C
	28	NNE	NNE	NNE	NNW	SW	SSW	SSW	SSW	C	C	C
	29	N	N	NNE	NNE	N	S	SSE	SSE	SSE	C	C
	30	NE	NE	NE	ENE	ENE	ENE	ENE	C	C	C	C
	31	ENE	E	ENE	E	E	E	E	E	E	E	C

VELOCITY OF THE WIND IN KILOMETERS PER HOUR.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
AUGUST.	1	2.4	3.2	3.2	6.4	4.8	1.6	3.2	4.8	8.0	6.4	8.9	9.7	—
	2	2.4	2.4	1.6	0.8	1.6	1.6	1.6	3.2	6.4	14.5	16.1	12.9	—
	3	0.0	0.0	0.0	0.0	0.0	0.8	3.2	4.0	5.6	4.8	6.4	9.7	—
	4	1.6	3.2	6.4	3.2	4.8	4.8	0.8	3.2	2.4	1.6	4.0	4.8	—
	5	1.6	2.4	3.2	1.6	3.2	5.6	4.0	4.8	6.4	4.0	3.2	6.4	—
	6	0.8	0.8	0.8	0.8	0.8	1.6	2.4	3.2	4.8	4.8	5.6	6.4	—
	7	3.2	1.6	0.8	0.0	0.8	3.2	1.6	3.2	2.4	2.4	3.2	4.8	—
	8	0.0	0.8	0.0	0.0	1.6	4.0	3.2	3.2	6.4	3.2	4.8	3.2	—
	9	0.0	2.4	2.4	0.8	1.6	3.2	3.2	4.0	4.0	3.2	2.4	4.8	—
	10	1.6	1.6	0.0	0.0	0.0	0.0	1.6	1.6	6.4	4.8	4.8	6.4	—
	11	5.6	3.2	4.8	5.6	4.0	1.6	1.6	2.4	5.6	10.5	9.7	7.2	—
	12	1.6	0.8	0.8	1.6	0.8	1.6	3.2	1.6	4.8	3.2	8.0	12.1	—
	13	0.8	1.6	3.2	5.6	4.8	6.4	7.2	4.8	4.8	3.2	6.4	8.9	—
	14	0.0	1.6	1.6	0.0	0.0	3.2	5.6	3.2	4.8	8.0	9.7	9.7	—
	15	0.8	1.6	1.6	3.2	1.6	1.6	0.8	4.0	7.2	5.6	6.4	8.0	—
	16	0.8	0.8	1.6	0.8	0.8	0.0	0.8	4.8	4.8	4.8	3.2	5.6	—
	17	0.8	1.6	1.6	1.6	1.6	0.0	1.6	1.6	4.8	4.8	5.6	6.4	—
	18	0.0	0.0	0.0	1.6	2.4	3.2	4.8	4.8	4.8	5.6	5.6	12.1	—
	19	4.0	4.8	3.2	4.8	4.0	2.4	2.4	4.8	4.8	4.0	4.8	9.7	—
	20	1.6	2.4	1.6	0.8	1.6	1.6	4.0	6.4	3.2	3.2	4.0	3.2	—
	21	4.0	4.0	4.8	4.8	1.6	2.4	2.4	3.2	8.0	8.0	8.9	6.4	—
	22	0.0	2.4	3.2	1.6	3.2	2.4	3.2	4.8	3.2	3.2	4.8	8.0	—
	23	0.8	1.6	1.6	1.6	2.4	0.0	0.0	1.6	3.2	4.8	7.2	7.2	—
	24	1.6	3.2	2.4	1.6	6.4	9.7	6.4	9.7	8.9	4.8	4.8	3.2	—
	25	1.6	4.8	2.4	1.6	1.6	4.8	4.8	6.4	8.0	1.6	0.8	4.8	—
	26	3.2	3.2	3.2	1.6	0.8	0.0	9.0	0.8	3.2	4.0	4.0	3.2	—
	27	0.0	0.8	0.0	0.0	0.0	0.0	0.0	0.0	1.6	4.8	6.4	8.9	—
	28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.6	1.6	6.4	7.2	—
	29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	1.6	1.6	9.7	—
	30	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.0	3.2	5.6	7.2	12.1	—
	31	0.0	0.0	0.0	0.0	0.0	0.0	0.8	5.6	0.8	0.0	3.2	7.2	—
Hourly Means.		1.32	1.83	1.81	1.68	1.83	2.17	2.43	3.44	4.73	4.60	5.75	7.42	—
Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
AUGUST.	1	12.9	15.3	13.7	8.0	6.4	4.8	4.0	4.0	2.4	1.6	1.6	2.4	5.82
	2	13.7	13.7	14.5	17.7	16.1	6.4	2.4	1.6	1.6	1.6	0.8	0.0	6.47
	3	14.5	16.1	18.5	14.5	12.9	7.2	4.8	1.6	0.8	0.8	3.2	3.2	5.53
	4	8.0	10.5	9.7	8.0	4.8	0.8	0.0	0.0	0.0	1.6	0.8	1.6	3.61
	5	10.5	12.9	11.3	10.5	6.4	1.6	0.0	0.0	0.0	1.6	1.6	3.2	4.42
	6	10.5	5.6	8.0	8.0	6.4	1.6	0.0	0.0	0.0	1.6	4.0	3.2	3.40
	7	8.0	11.3	14.5	14.5	9.7	4.8	0.0	0.0	0.8	2.4	3.2	1.6	4.08
	8	7.2	12.9	13.7	13.7	8.9	2.4	0.0	0.0	0.0	0.0	0.8	1.6	3.82
	9	9.7	12.1	12.1	12.9	6.4	1.6	0.8	0.0	0.0	0.0	0.0	0.0	3.65
	10	11.3	9.7	8.0	4.8	6.4	5.6	3.2	8.0	4.0	10.5	9.7	8.0	4.92
	11	8.9	12.1	13.7	12.9	11.3	4.8	0.8	0.8	1.6	4.0	3.2	3.2	5.80
	12	12.1	12.1	13.7	10.5	9.7	6.4	4.8	2.4	1.6	2.4	1.6	0.8	4.93
	13	8.9	15.3	16.9	12.9	10.5	7.2	4.0	0.8	0.8	0.0	0.0	0.8	5.66
	14	9.7	14.5	14.5	12.1	9.7	6.4	0.8	0.0	0.0	0.0	0.0	0.8	4.83
	15	11.3	15.3	14.5	13.7	7.2	4.0	2.4	0.8	0.8	0.8	1.6	0.8	4.82
	16	12.9	14.5	16.1	15.3	12.1	4.8	0.0	0.0	0.8	0.8	0.8	0.0	4.45
	17	13.7	12.1	14.5	15.3	11.3	4.8	0.0	1.6	0.8	1.6	0.0	0.0	4.49
	18	16.1	16.1	16.1	14.5	8.9	3.2	0.8	2.4	4.0	4.8	4.0	3.2	5.79
	19	14.5	16.9	16.1	15.3	12.1	7.2	4.8	4.8	1.6	2.4	0.8	1.6	6.33
	20	4.0	6.4	12.1	12.1	8.0	6.4	1.6	1.6	4.0	5.6	8.9	8.0	4.68
	21	11.3	12.1	14.5	14.5	8.0	1.6	0.0	0.0	0.0	0.0	0.0	0.0	5.02
	22	10.5	13.7	14.5	12.9	8.9	4.0	0.0	0.0	0.0	0.0	0.0	0.8	4.39
	23	10.5	13.7	14.5	13.7	12.9	4.0	0.0	0.0	0.0	0.8	1.6	1.6	4.39
	24	3.2	8.0	12.9	9.7	8.0	1.6	0.8	6.4	2.4	1.6	1.6	4.0	5.12
	25	1.6	2.4	3.2	5.6	3.2	1.6	0.0	0.0	2.4	3.2	0.8	2.4	2.90
	26	12.1	10.5	8.9	9.7	5.6	0.8	0.0	0.0	0.0	0.0	0.0	0.0	3.12
	27	9.7	12.1	11.3	10.5	11.3	8.0	1.6	0.0	0.0	0.0	0.0	0.0	3.63
	28	12.1	12.9	12.1	8.9	5.6	1.6	0.8	0.8	0.0	0.0	0.0	0.0	3.02
	29	10.5	8.0	8.9	11.3	3.2	9.7	1.6	1.6	0.8	0.0	0.0	0.0	2.95
	30	12.9	16.9	19.3	20.1	15.3	11.3	4.8	0.0	0.0	0.0	0.0	0.0	5.40
	31	11.3	8.0	9.7	12.1	13.7	7.2	4.8	2.4	2.4	1.6	0.0	0.0	3.78
Hourly Means.		10.45	12.05	12.97	12.14	9.06	4.63	1.60	1.34	1.08	1.65	1.63	1.70	4.56

CLOUDS.														
CLEAR = 0. — OVERCAST = 10.														
Mean Batavia Time.	1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—	
AUGUST.	1	9	9	10	10	10	10	6	4	2	1	1	0	—
	2	2	1	0	1	2	5	1	0	0	1	2	5	—
	3	2	3	3	2	2	1	1	2	1	1	1	5	—
	4	4	3	6	3	2	8	2	1	1	3	6	4	—
	5	6	7	8	6	8	6	8	7	4	5	8	7	—
	6	10	6	4	3	2	4	6	6	7	9	6	9	—
	7	3	4	2	3	3	3	6	6	8	5	7	9	—
	8	5	3	3	2	4	6	7	3	2	2	7	7	—
	9	3	10	2	2	3	7	7	6	6	5	6	7	—
	10	4	6	4	6	4	6	3	4	2	2	2	3	—
	11	2	2	6	7	3	2	4	3	4	2	1	1	—
	12	8	9	10	6	4	6	4	3	1	1	6	7	—
	13	3	5	5	3	6	6	1	1	0	2	1	0	—
	14	3	2	2	1	4	6	6	7	6	5	5	5	—
	15	6	6	8	7	9	8	4	2	1	2	3	2	—
	16	8	8	9	9	9	3	1	0	3	1	8	7	—
	17	1	0	1	1	1	3	2	1	1	6	6	7	—
	18	2	3	1	2	3	6	1	0	1	1	2	3	—
	19	2	4	5	8	6	5	3	3	2	3	5	7	—
	20	6	10	6	6	5	9	9	5	3	9	9	8	—
	21	6	8	8	5	3	2	6	3	1	1	2	0	—
	22	2	1	2	2	1	3	2	1	3	6	6	7	—
	23	3	2	2	4	2	6	4	3	3	3	5	6	—
	24	2	3	0	3	2	4	6	3	5	3	3	5	—
	25	8	8	8	7	10	10	10	10	10	10	10	9	—
	26	6	7	7	6	8	10	10	6	7	5	4	7	—
	27	6	4	6	5	2	3	7	8	7	7	8	6	—
	28	7	9	7	5	3	6	10	6	5	9	8	9	—
	29	3	1	0	0	5	9	9	9	7	6	7	5	—
	30	5	6	4	6	4	5	2	1	1	1	2	8	—
	31	3	3	2	8	9	4	7	10	10	9	10	10	—
Hourly Means.	4.5	4.9	4.5	4.5	4.5	5.5	5.0	4.0	3.7	4.1	5.1	5.6	—	
Mean Batavia Time.	1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.	
AUGUST.	1	3	4	4	5	5	6	8	9	7	9	9	6.3	
	2	7	4	3	2	1	1	2	1	1	1	1	1.9	
	3	4	3	2	5	3	3	0	6	5	7	6	3.3	
	4	6	7	6	7	8	6	5	6	6	5	7	4.9	
	5	6	7	7	6	2	4	7	2	1	2	10	6.0	
	6	8	9	7	6	8	9	6	7	3	3	3	6.2	
	7	8	7	6	7	6	7	10	10	9	8	7	6.4	
	8	6	6	4	7	4	3	7	7	10	6	7	5.1	
	9	7	6	3	2	2	3	6	7	8	7	3	5.1	
	10	5	5	3	7	9	10	10	8	9	2	1	4.9	
	11	2	2	1	2	4	4	6	3	6	9	9	3.0	
	12	3	2	0	4	6	6	8	9	9	7	6	2	5.3
	13	6	2	2	3	6	3	1	0	0	6	3	4	2.9
	14	6	2	1	1	1	0	3	2	6	7	7	8	4.0
	15	5	6	3	3	5	6	7	6	3	1	7	7	4.9
	16	2	1	1	0	0	1	6	3	9	7	7	7	4.6
	17	1	1	1	1	1	0	0	0	0	0	0	0	1.5
	18	1	1	2	2	1	4	6	10	8	7	7	5	3.3
	19	3	3	2	2	8	8	9	10	10	10	10	10	5.8
	20	6	5	6	7	6	6	6	7	4	4	6	4	6.3
	21	5	5	3	2	3	4	7	6	9	5	5	5	4.5
	22	0	0	0	0	0	0	1	1	1	1	1	1	1.8
	23	5	5	3	3	4	5	7	9	10	10	6	6	4.8
	24	5	4	7	2	2	6	5	9	7	5	4	3	4.1
	25	6	5	6	7	7	6	4	6	6	7	9	6	7.7
	26	9	9	5	3	4	8	6	7	7	6	5	5	6.5
	27	2	1	1	1	7	10	9	10	10	9	6	6	5.9
	28	8	6	7	10	10	10	10	10	6	6	5	6	7.4
	29	3	5	6	6	7	10	10	10	10	8	6	3	6.0
	30	6	5	3	3	5	6	4	1	0	1	2	2	3.5
	31	10	10	7	7	8	8	9	7	5	5	7	7	7.3
Hourly Means.	5.0	4.5	3.6	4.0	4.6	5.3	6.0	6.2	6.2	5.6	5.5	5.2	4.9	

BAROMETRIC PRESSURE.

BAROMETER AT 0°C = 750 MILLIMETRES + THE NUMBERS IN THE TABLE.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
SEPTEMBER.	1	8.37	7.99	7.96	8.13	8.15	8.42	8.70	9.17	9.44	9.55	9.18	8.38	—
	2	7.91	7.63	7.67	7.88	7.95	8.06	8.78	9.15	9.17	9.04	8.23	7.74	—
	3	8.26	7.74	7.62	7.55	7.81	7.99	8.80	9.17	9.54	9.32	8.89	8.41	—
	4	9.11	8.61	8.59	8.41	8.86	9.03	9.63	9.96	10.03	9.92	9.54	8.67	—
	5	9.06	8.77	8.74	8.75	9.07	9.74	10.41	10.71	10.58	10.42	9.69	8.96	—
	6	9.88	9.53	9.44	9.39	9.50	9.94	10.49	10.75	11.20	10.97	10.57	9.58	—
	7	10.33	9.75	9.39	9.30	9.45	9.78	10.44	10.70	10.82	10.63	10.08	9.26	—
	8	9.47	9.30	9.15	9.30	9.29	9.83	10.50	11.14	11.62	11.68	11.06	10.27	—
	9	10.30	9.75	9.56	9.70	9.80	10.06	10.62	11.12	11.53	11.39	10.72	10.06	—
	10	10.25	9.83	9.40	9.38	9.49	10.16	10.56	11.03	11.29	11.29	10.63	9.79	—
	11	9.60	9.27	8.87	9.09	9.25	9.54	9.84	10.23	10.45	10.34	9.78	9.06	—
	12	9.13	8.41	8.52	8.81	8.95	9.08	9.68	9.95	10.17	9.88	9.38	8.99	—
	13	9.47	9.48	9.48	9.39	9.33	9.65	10.38	10.84	11.09	10.90	10.28	9.68	—
	14	10.47	10.09	10.10	9.98	10.22	10.74	11.25	11.32	11.38	11.26	10.57	9.97	—
	15	10.43	10.12	9.79	9.84	10.00	10.41	11.09	11.40	11.68	11.32	10.76	9.74	—
	16	9.28	8.86	8.50	8.15	8.47	8.84	9.11	9.77	9.85	9.82	9.11	8.53	—
	17	8.55	8.05	7.95	7.96	8.07	8.40	8.90	9.34	9.32	8.93	8.56	7.76	—
	18	8.00	7.79	7.70	7.56	7.64	7.70	8.37	8.85	8.85	8.57	7.99	7.37	—
	19	7.69	7.56	7.52	7.52	7.80	8.26	8.75	9.01	9.14	9.05	8.79	8.13	—
	20	9.22	9.03	8.99	9.59	9.51	9.65	9.98	10.33	10.56	10.39	9.67	8.89	—
	21	8.90	8.79	8.87	9.05	9.20	9.80	10.25	10.58	10.45	9.98	9.51	9.01	—
	22	8.87	9.60	9.20	9.45	9.88	10.33	10.93	11.05	10.85	10.27	9.64	9.13	—
	23	9.01	8.80	8.26	8.17	8.29	8.51	9.16	9.60	9.73	9.25	8.77	7.99	—
	24	8.32	8.02	7.87	7.92	8.26	8.55	9.00	9.38	9.35	9.19	8.67	8.24	—
	25	8.51	8.10	7.77	7.74	7.95	8.53	9.03	9.38	9.58	9.30	8.80	8.06	—
	26	9.28	8.82	8.65	8.54	8.67	8.90	9.27	9.48	9.43	9.20	8.79	8.13	—
	27	9.03	8.55	8.37	8.34	8.49	8.91	9.48	10.00	9.84	9.63	9.21	8.81	—
	28	9.15	8.71	8.32	8.34	8.40	8.66	9.32	9.74	9.93	9.81	9.24	8.52	—
	29	8.93	8.49	8.54	8.56	8.70	8.91	9.38	9.80	9.97	9.94	9.48	8.82	—
	30	9.21	8.99	8.47	8.56	8.69	9.01	9.56	9.88	9.98	9.74	9.13	8.44	—
Hourly Means.		9.17	8.81	8.64	8.68	8.84	9.18	9.72	10.09	10.23	10.03	9.49	8.81	—
Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
SEPTEMBER.	1	8.25	7.31	7.09	6.65	6.71	6.61	6.85	7.37	8.01	8.45	8.31	8.17	8.05
	2	6.86	6.22	5.76	5.76	5.98	6.14	6.85	7.65	8.23	8.73	8.64	8.69	7.70
	3	7.97	7.31	6.97	6.62	7.29	7.57	7.68	8.67	9.21	9.49	9.55	9.16	8.27
	4	8.29	7.51	7.06	7.01	7.23	7.79	8.66	9.51	9.99	10.24	10.29	9.69	8.90
	5	8.28	7.96	7.71	7.71	7.94	8.44	9.08	9.62	10.18	10.52	10.72	10.15	9.30
	6	8.77	8.24	7.99	8.01	8.33	8.76	9.33	9.87	10.41	9.89	10.98	10.68	9.69
	7	8.61	7.68	7.21	7.38	7.92	8.37	9.43	9.78	10.06	10.20	10.22	10.02	9.45
	8	9.72	9.16	8.74	9.03	9.16	10.17	10.35	10.85	11.38	11.48	11.29	10.78	10.20
	9	9.13	8.62	8.14	8.09	8.54	9.16	9.84	10.56	10.83	11.20	11.28	11.03	10.04
	10	9.28	8.62	7.84	7.77	7.69	8.24	8.99	9.56	10.04	10.52	10.37	10.12	9.67
	11	8.53	7.88	7.27	7.07	7.49	7.79	8.63	9.24	9.58	10.09	10.11	9.72	9.11
	12	8.44	7.98	7.63	7.46	7.89	8.43	9.12	9.59	10.14	10.15	10.17	9.97	9.08
	13	9.26	8.71	8.31	8.22	8.38	8.98	9.58	10.11	10.64	11.19	11.22	10.85	9.81
	14	9.26	8.82	8.38	8.27	8.38	8.91	10.03	10.23	10.78	11.10	11.27	11.05	10.16
	15	9.08	8.54	7.91	7.49	7.56	8.01	8.65	9.00	9.56	9.67	9.82	9.62	9.65
	16	7.64	7.36	7.01	6.78	6.81	7.04	7.48	8.15	8.58	8.90	9.04	8.85	8.41
	17	7.21	6.46	6.15	6.03	6.28	6.83	7.47	8.03	8.32	8.57	8.63	8.38	7.92
	18	6.88	6.40	5.75	5.96	6.47	7.03	8.04	8.53	8.92	9.03	8.88	8.48	7.78
	19	7.43	7.02	6.73	6.33	6.76	7.36	8.03	8.86	9.21	9.74	9.87	9.71	8.18
	20	8.20	7.67	7.38	7.48	7.74	8.01	8.40	8.80	9.31	9.42	9.60	9.30	9.05
	21	8.23	7.53	7.38	7.33	7.81	8.22	8.69	9.46	9.91	10.37	10.57	10.32	9.18
	22	8.36	7.52	7.22	6.96	7.31	7.93	8.46	9.19	9.36	9.49	9.28	9.00	9.18
	23	7.66	7.22	7.13	6.76	7.28	7.91	8.45	8.97	9.13	9.37	9.22	8.77	8.48
	24	7.48	6.42	5.98	5.87	6.27	6.99	7.76	8.54	9.04	9.53	9.28	8.90	8.12
	25	7.68	7.02	6.85	6.73	7.29	8.38	9.08	9.49	9.91	10.10	9.97	9.65	8.54
	26	7.87	7.31	6.97	6.47	7.12	7.39	8.18	8.49	8.99	9.44	9.63	9.22	8.51
	27	7.92	7.47	7.03	7.06	7.09	7.42	7.89	8.58	9.08	9.65	9.67	9.52	8.63
	28	8.03	7.46	6.91	6.63	6.99	7.86	8.44	8.84	9.13	9.61	9.59	9.10	8.61
	29	8.08	7.41	7.03	7.01	7.39	7.73	8.63	9.08	9.64	9.95	9.92	9.63	8.79
	30	8.02	7.48	7.23	6.88	6.91	7.34	8.06	8.63	8.90	9.31	9.58	9.15	8.63
Hourly Means.		8.21	7.61	7.23	7.09	7.40	7.89	8.54	9.11	9.55	9.85	9.90	9.59	8.90

STANDARD THERMOMETER.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	---
S E P T E M B E R.	1	74.5	74.0	73.8	73.0	72.6	72.4	72.6	75.4	78.0	81.0	80.9	81.4	—
	2	74.0	73.5	72.8	72.4	72.2	71.7	73.4	77.0	81.0	83.3	85.6	88.0	—
	3	77.2	76.5	76.0	75.5	75.2	74.9	75.1	78.6	81.8	84.3	84.5	85.8	—
	4	75.4	75.3	75.0	74.5	73.6	73.7	74.0	76.0	81.0	84.2	86.2	88.3	—
	5	75.5	74.5	74.0	73.6	73.0	72.9	73.5	77.0	80.6	83.5	86.0	88.5	—
	6	76.2	75.7	75.5	75.1	74.2	74.0	74.4	77.8	80.6	83.7	84.4	85.0	—
	7	76.7	76.0	75.6	75.0	74.5	74.3	75.4	78.0	82.0	84.6	85.4	85.9	—
	8	76.1	75.4	75.3	75.3	74.8	74.6	74.8	77.2	80.0	81.2	82.9	83.1	—
	9	74.1	73.2	72.9	72.3	72.0	71.6	72.1	76.2	79.3	82.5	84.6	85.2	—
	10	73.8	73.2	72.6	72.2	71.7	71.6	72.5	76.0	80.1	83.5	84.0	85.2	—
	11	74.4	74.4	74.1	73.8	74.0	73.7	74.6	77.6	81.6	82.8	84.3	86.5	—
	12	76.1	75.4	75.0	74.5	73.8	73.4	74.4	77.9	81.2	83.7	85.5	85.5	—
	13	77.5	77.5	77.0	75.8	75.0	74.5	75.5	78.0	81.1	83.5	85.0	86.8	—
	14	77.2	77.0	76.5	76.1	75.4	74.6	76.1	79.5	82.1	84.5	86.6	88.5	—
	15	74.8	74.0	74.8	74.6	74.0	73.5	74.0	77.6	81.0	82.5	82.9	86.1	—
	16	76.9	76.6	76.0	75.7	75.5	75.4	75.8	77.9	80.8	84.0	86.0	86.7	—
	17	77.8	77.2	77.0	76.8	76.4	76.0	77.4	80.5	83.9	86.0	88.0	89.5	—
	18	78.0	77.8	77.4	77.0	76.9	76.1	77.0	80.2	83.0	86.4	89.0	90.1	—
	19	76.1	75.7	76.1	75.9	75.3	74.8	75.6	78.2	82.8	85.0	86.5	86.4	—
	20	77.1	76.1	74.1	71.4	71.0	71.2	72.0	73.5	76.3	80.0	82.5	84.2	—
	21	75.4	74.0	73.8	73.0	72.8	72.1	73.0	76.1	79.8	84.0	86.0	85.0	—
	22	74.8	74.0	73.0	72.9	72.3	72.4	74.1	78.0	81.6	85.0	87.5	87.3	—
	23	75.2	74.9	74.4	74.1	74.1	74.0	75.0	78.1	80.6	83.8	85.8	86.7	—
	24	75.2	74.5	74.2	73.4	72.6	72.5	74.4	78.3	82.0	86.0	87.0	87.2	—
	25	76.3	75.5	75.0	74.4	74.0	74.0	75.0	78.2	80.6	83.5	85.2	87.0	—
	26	75.0	74.5	73.8	73.5	73.0	72.5	73.7	77.5	82.0	85.0	86.0	87.8	—
	27	76.5	76.0	76.5	76.0	75.2	75.1	76.2	77.4	81.3	83.8	84.4	85.5	—
	28	76.3	75.6	76.0	75.9	75.8	75.8	76.2	78.3	82.4	84.9	85.9	87.5	—
	29	77.5	77.0	76.3	76.0	75.4	75.1	76.0	79.2	82.6	85.1	87.2	86.0	—
	30	76.3	76.0	75.0	74.6	74.0	73.3	74.6	78.1	82.6	83.5	85.3	88.1	—

Hourly Means.	75.93	75.37	74.98	74.48	74.01	73.72	74.61	77.64	81.12	83.83	85.37	86.49	—
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Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
S E P T E M B E R.	1	76.5	78.1	76.0	78.0	79.5	78.7	78.2	77.1	76.5	75.8	75.6	75.0	76.44
	2	87.2	86.7	86.0	85.5	84.2	82.5	81.2	80.2	79.1	78.7	78.0	77.6	79.66
	3	86.0	85.5	85.0	87.4	84.6	83.3	81.8	80.0	78.8	77.8	76.8	76.3	80.36
	4	88.0	87.5	86.8	86.3	84.5	82.7	81.2	79.3	78.2	76.8	76.1	75.8	80.02
	5	89.8	87.7	87.0	86.0	84.6	83.5	82.2	81.3	80.0	78.7	77.8	76.5	80.32
	6	86.4	86.2	85.7	84.9	84.0	82.9	82.1	81.3	80.4	79.2	78.7	77.6	80.25
	7	87.0	85.9	85.5	84.3	83.4	82.5	82.1	79.4	78.5	77.9	77.1	76.5	80.15
	8	85.0	81.9	78.0	79.4	79.0	77.6	77.2	76.5	76.5	76.3	75.4	75.2	77.86
	9	86.2	86.0	86.0	85.5	84.5	83.0	81.4	79.7	77.7	76.3	75.3	74.4	78.83
	10	85.6	85.1	84.6	84.0	83.0	82.0	80.8	79.0	77.5	76.0	75.4	74.8	78.51
	11	86.7	86.0	85.3	84.7	83.7	82.3	81.8	81.2	81.0	80.2	79.0	77.5	80.05
	12	85.4	85.6	85.0	84.3	83.8	82.6	81.7	80.2	78.6	77.5	77.5	77.1	79.82
	13	85.8	86.0	85.2	85.4	84.0	82.7	82.0	81.5	80.7	80.0	79.0	78.0	80.73
	14	87.2	86.8	86.0	84.0	83.0	82.5	82.4	79.9	77.5	77.0	76.0	75.8	80.51
	15	84.6	84.2	84.4	84.5	83.1	82.2	81.0	80.0	79.9	78.8	77.5	76.8	79.45
	16	86.0	85.0	84.5	84.4	84.0	83.1	81.8	80.2	79.2	78.2	78.3	78.2	80.43
	17	88.0	87.0	87.2	86.7	86.2	85.0	84.1	82.3	80.6	79.5	78.6	78.3	82.08
	18	87.8	87.3	87.8	86.8	85.4	83.6	82.8	82.0	80.8	79.4	78.0	77.0	81.98
	19	86.8	86.7	86.0	84.2	83.6	83.0	82.5	82.1	81.2	80.1	79.0	77.9	80.90
	20	85.2	87.4	86.5	84.5	83.4	82.0	81.0	80.2	79.8	78.9	77.8	76.5	78.86
	21	85.5	85.6	85.6	85.3	84.6	82.6	81.5	80.1	78.1	77.3	76.5	75.8	79.31
	22	87.1	87.1	86.1	85.4	84.6	83.7	82.1	80.5	78.2	77.5	76.6	76.0	79.91
	23	86.5	85.7	84.2	83.7	83.9	82.8	81.4	79.1	78.0	76.7	76.3	75.8	79.62
	24	86.4	88.2	88.1	86.6	85.0	83.4	82.6	80.9	79.4	78.6	77.2	76.7	80.43
	25	87.0	87.1	86.2	84.2	83.8	83.0	81.8	80.0	78.4	77.0	76.1	75.8	79.98
	26	86.6	86.0	86.0	84.8	83.6	83.3	83.2	81.1	80.0	78.9	78.2	77.9	80.16
	27	85.5	85.8	85.8	84.0	83.6	82.2	80.9	80.5	79.2	78.7	77.7	77.0	80.20
	28	87.7	86.5	86.5	85.3	84.2	83.5	81.6	80.0	79.3	79.1	78.8	78.4	80.90
	29	87.3	87.5	86.0	84.8	81.6	78.9	78.8	78.0	77.1	77.4	77.2	77.0	80.21
	30	87.0	87.0	86.5	85.9	84.5	83.5	82.8	81.7	81.0	80.2	78.4	77.8	80.74

Hourly Means.	86.26	85.97	85.32	84.69	83.70	82.49	81.53	80.18	79.04	78.15	77.34	76.70	79.96
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RELATIVE HUMIDITY OF THE AIR.

SATURATION = 1000.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
S E P T E M B E R.	1	913	921	921	937	929	946	937	864	798	691	748	735	—
	2	921	911	929	946	955	982	911	827	739	677	640	571	—
	3	932	932	948	940	947	947	947	862	749	682	689	661	—
	4	905	914	922	921	938	920	921	873	704	603	563	511	—
	5	864	887	895	903	910	902	903	804	703	619	551	489	—
	6	882	898	898	880	904	903	878	781	724	673	663	638	—
	7	882	898	914	922	913	904	889	837	709	624	609	630	—
	8	841	855	840	847	854	854	863	827	774	748	696	690	—
	9	947	955	929	928	936	918	919	841	779	655	600	646	—
	10	911	920	919	928	927	909	936	841	752	652	667	627	—
	11	888	896	904	903	903	920	879	828	698	642	598	553	—
	12	974	823	839	854	877	860	838	790	705	633	571	615	—
	13	835	843	858	889	913	921	898	836	719	646	626	584	—
	14	916	916	923	923	930	939	923	848	722	651	566	574	—
	15	871	903	904	930	930	929	903	852	755	710	690	630	—
	16	818	825	841	856	840	823	807	759	681	570	532	535	—
	17	828	851	858	858	857	864	828	753	660	593	526	505	—
	18	844	852	851	850	842	841	834	753	671	619	570	536	—
	19	881	966	864	864	871	871	817	791	669	594	595	606	—
	20	795	761	811	918	917	918	909	902	833	752	615	578	—
	21	847	861	853	860	868	884	868	793	721	609	538	600	—
	22	879	895	911	894	902	893	853	790	665	557	510	557	—
	23	871	871	870	870	870	887	863	798	724	634	587	572	—
	24	897	904	912	920	929	902	845	753	633	531	525	562	—
	25	890	905	904	896	912	903	879	814	732	672	639	591	—
	26	897	904	912	895	894	902	877	796	686	570	593	559	—
	27	857	840	825	832	846	839	882	875	763	686	702	667	—
	28	865	880	864	864	880	880	865	830	710	645	629	623	—
	29	851	858	882	881	897	913	881	801	703	619	516	636	—
	30	899	906	930	904	887	903	862	791	674	651	633	565	—
Hourly Means.		880	885	888	894	899	899	881	817	719	640	606	595	—
Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
S E P T E M B E R.	1	915	901	940	901	863	869	885	932	940	940	939	947	888
	2	646	652	630	647	694	779	836	872	902	909	925	925	809
	3	655	679	665	562	668	725	699	750	807	828	858	873	792
	4	602	594	608	619	657	683	726	771	806	850	873	864	765
	5	479	564	591	561	604	638	721	761	810	846	844	882	739
	6	594	588	616	625	654	703	764	798	826	831	846	867	768
	7	627	636	653	688	712	737	764	816	807	790	804	826	775
	8	658	784	892	902	862	867	883	906	915	923	947	939	840
	9	656	655	642	640	663	711	762	824	789	817	872	896	791
	10	622	639	636	666	683	728	760	815	835	841	856	871	789
	11	542	563	577	612	665	729	784	805	797	825	830	812	756
	12	627	628	632	629	627	661	706	766	792	828	844	843	748
	13	623	649	659	653	693	723	764	791	826	848	869	900	774
	14	604	633	668	735	711	730	744	780	835	764	800	832	778
	15	688	654	662	662	703	750	783	817	817	838	828	842	794
	16	593	600	611	579	583	631	705	750	778	813	798	813	714
	17	601	597	616	577	605	631	660	721	782	824	877	885	723
	18	588	504	495	535	566	645	702	728	767	816	860	899	715
	19	584	560	587	661	678	697	722	764	761	795	823	781	742
	20	559	562	558	598	637	686	739	766	786	822	828	825	753
	21	577	578	585	528	573	641	705	750	813	812	849	856	732
	22	562	562	598	571	616	612	673	738	776	796	826	849	729
	23	594	616	674	713	601	629	705	770	805	817	857	881	753
	24	600	566	571	613	658	665	716	775	809	830	875	874	744
	25	583	583	588	642	678	717	749	788	830	843	842	856	768
	26	608	624	630	658	693	705	746	783	810	822	829	844	760
	27	647	629	629	674	713	750	775	804	863	885	876	891	781
	28	618	613	565	614	654	698	726	743	771	793	807	814	748
	29	604	617	675	683	770	878	893	901	900	907	924	891	795
	30	613	638	624	596	591	637	689	713	739	759	821	781	742
Hourly Means.		616	622	636	645	669	709	750	790	816	834	854	862	767

DIRECTION OF THE WIND.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12
SEPTEMBER.	1	C	C	C	C	C	C	E	SSE	S	SE	ENE	NE
	2	C	C	C	C	C	C	S	ESE	ESE	SE	ESE	E
	3	C	C	C	C	C	C	C	ESE	ESE	ESE	NE	NNE
	4	C	C	C	C	C	C	ESE	SSE	SSW	S	SE	ENE
	5	C	C	NE	C	C	C	NNE	S	SW	NW	SSW	E
	6	C	C	C	C	C	C	C	C	ENE	NE	NE	N
	7	C	C	C	C	C	C	C	E	E	E	E	N
	8	C	C	C	C	C	C	C	C	WNW	NNW	NNW	NW
	9	C	C	C	C	C	C	W	SSW	SE	SE	ESE	NNE
	10	C	C	C	C	C	C	NE	C	SE	E	NNE	NNE
	11	C	C	C	C	C	C	C	C	ESE	ENE	N	NNE
	12	NNE	C	C	C	NNE	NNE	NNE	ESE	SE	SSE	SE	N
	13	C	C	C	C	C	C	C	C	SSE	E	E	E
	14	C	C	C	C	C	C	C	SE	SE	S	E	NE
	15	C	C	C	C	C	C	SW	SSW	WSW	SW	SW	NNE
	16	SW	C	C	C	SW	SW	C	SW	SW	S	SE	NE
	17	C	C	C	C	C	N	N	SW	SSW	SSW	SSE	E
	18	C	NE	NE	NE	NE	ENE	SE	S	SSW	SSW	ESE	ESE
	19	C	NE	NE	SE	SE	SSE	S	S	S	SE	NE	N
	20	WSW	SSW	SSW	SSW	SSW	C	C	C	SW	SW	S	E
	21	NE	NE	NE	C	C	C	NE	SSE	S	E	E	NE
	22	C	C	C	C	C	NE	NE	ESE	SSW	SSW	ESE	NNE
	23	C	NE	NE	NE	NE	NE	NE	S	S	SSW	S	SSE
	24	C	C	C	C	C	C	S	S	S	SE	E	NE
	25	C	NE	C	C	NE	C	NE	S	S	SW	SSW	E
	26	C	C	N	C	C	C	N	C	NE	E	N	NNE
	27	SW	SW	SSE	C	C	C	C	C	SSE	E	ENE	NNE
	28	C	W	C	C	W	W	W	C	N	E	NNE	NNE
	29	C	C	C	C	C	SW	SW	SW	ESE	ESE	ENE	NNE
	30	C	C	C	SSW	SSW	SSW	SSW	S	SSW	SSW	WSW	E
Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12
SEPTEMBER.	1	C	NNE	SSW	C	C	C	C	C	C	C	C	C
	2	NE	NE	NE	NE	NE	ENE	ENE	C	C	C	C	C
	3	NNE	NE	N	E	NE	ENE	ENE	C	C	C	C	C
	4	NNE	NE	NNE	NE	NE	NE	NE	C	C	C	C	C
	5	ESE	NNE	NE	NNE	NE	NE	C	C	C	C	C	C
	6	NNE	NE	NE	NE	NE	NNE	NNE	C	C	C	C	C
	7	NNE	N	NNE	N	NNW	NNW	NNW	SSW	SSW	SW	SSW	C
	8	NW	N	WNW	C	SW	C	C	C	C	C	C	C
	9	NNE	N	NNE	NE	NE	NE	NE	C	C	C	C	C
	10	NNE	NNE	N	NE	NE	NE	ENE	C	C	C	C	C
	11	NNE	NE	NE	NNE	NE	NNE	C	C	C	C	NNE	NNE
	12	NNE	NNE	N	NNW	NNE	N	C	N	WNW	W	W	C
	13	NNE	N	NNE	N	N	NNE	C	C	C	C	C	C
	14	N	NE	NNE	NNE	NNE	N	N	SW	SW	C	C	C
	15	NE	NNE	NNE	N	N	N	C	C	C	C	N	NNW
	16	NNE	NNE	NNE	NE	N	C	C	C	C	C	C	C
	17	NNE	NNE	NNE	NE	NE	NE	C	NE	NE	C	C	C
	18	NNE	NE	NE	NE	NE	ENE	C	C	C	C	C	C
	19	NNE	N	N	NNE	NE	NNE	C	C	C	C	N	WSW
	20	SE	E	NNE	NNE	NE	NE	C	C	NE	NE	NE	C
	21	NNE	N	NNE	NNE	NE	NE	C	C	C	C	C	C
	22	NNE	NNE	NE	NNE	NE	NE	C	C	NE	NE	C	C
	23	NNE	NNE	NE	NE	ENE	ENE	C	C	C	C	C	C
	24	N	NNE	NE	NE	NE	NE	NE	C	C	C	C	C
	25	N	NE	NNE	NNE	N	NNE	C	C	C	C	C	C
	26	NE	NNE	NE	NNE	NNE	N	N	NW	WSW	SW	SW	SW
	27	NNE	NNE	N	NNE	N	NNW	C	C	C	NNW	W	W
	28	NNE	NNE	NE	NE	NE	NE	NW	WSW	SW	SW	C	C
	29	NNE	NNE	NNE	NNE	SSW	C	SSW	SSW	SSW	C	SSW	SSW
	30	NNE	NNE	NNE	NE	NE	NNE	C	C	C	C	NE	SSW

VELOCITY OF THE WIND IN KILOMETERS PER HOUR.

Mean Batavia Time.	1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—	
S E P T E M B E R.	1	0.0	0.0	0.0	0.0	0.0	0.0	1.6	0.8	1.6	5.6	4.8	8.0	—
	2	0.0	0.0	0.0	0.0	0.0	0.0	3.2	6.4	11.3	12.1	9.7	10.5	—
	3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	9.7	8.0	7.2	10.5	—
	4	0.0	0.0	0.0	0.0	0.0	0.0	0.8	3.2	8.0	6.4	6.4	10.5	—
	5	0.0	0.0	0.8	0.0	0.0	0.0	1.6	1.6	4.0	2.4	4.8	6.4	—
	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.6	2.4	4.8	—
	7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	2.4	4.0	9.7	—
	8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	6.4	8.0	8.0	—
	9	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.6	4.0	4.8	2.4	7.2	—
	10	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.0	2.4	6.4	8.0	14.5	—
	11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	4.0	4.0	7.2	—
	12	1.6	0.0	0.0	0.0	1.6	1.6	2.4	0.8	3.2	3.2	3.2	7.2	—
	13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	3.2	3.2	7.2	—
	14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	4.0	3.2	6.4	4.0	—
	15	0.0	0.0	0.0	0.0	0.0	0.0	1.6	2.4	1.6	1.6	2.4	8.9	—
	16	0.8	0.0	0.0	0.0	0.8	0.8	0.0	1.6	3.2	3.2	4.8	6.4	—
	17	0.0	0.0	0.0	0.0	0.0	0.8	2.4	3.2	4.0	4.8	6.4	12.9	—
	18	0.0	0.8	1.6	1.6	0.8	2.4	2.4	3.2	4.8	5.6	8.9	12.9	—
	19	0.0	0.8	1.6	1.6	0.8	1.6	2.4	2.4	3.2	4.8	10.5	12.9	—
	20	4.8	4.8	12.1	8.0	1.6	0.0	0.0	0.0	0.8	1.6	1.6	2.4	—
	21	0.8	1.6	0.8	0.0	0.0	0.0	0.8	3.2	3.2	8.0	9.7	13.7	—
	22	0.0	0.0	0.0	0.0	0.0	0.8	0.8	1.6	3.2	5.6	7.2	12.9	—
	23	0.0	0.8	1.6	1.6	1.6	0.8	1.6	3.2	2.4	4.0	4.0	4.0	—
	24	0.0	0.0	0.0	0.0	0.0	0.0	1.6	4.0	4.0	11.3	8.9	12.9	—
	25	0.0	0.8	0.0	0.0	0.8	0.0	2.4	3.2	4.8	3.2	3.2	6.4	—
	26	0.0	0.0	0.8	0.0	0.0	0.0	0.8	0.0	1.6	3.2	4.8	11.3	—
	27	0.8	1.6	1.6	0.0	0.0	0.0	0.0	0.0	1.6	2.4	6.4	11.3	—
	28	0.0	1.6	0.0	0.0	1.6	0.8	0.8	0.0	3.2	5.6	4.8	11.3	—
	29	0.0	0.0	0.0	0.0	0.0	0.8	1.6	0.8	3.2	6.4	8.9	13.7	—
	30	0.0	0.0	0.0	1.6	0.8	1.6	6.4	7.2	7.2	4.8	3.2	4.0	—
Hourly Means.	0.29	0.43	0.70	0.48	0.35	0.40	1.23	1.92	3.69	4.86	5.67	9.12	—	
Mean Batavia Time.	1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.	
S E P T E M B E R.	1	0.0	3.2	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.13	
	2	8.9	12.9	19.3	17.7	12.9	6.4	1.6	0.0	0.0	0.0	0.0	5.51	
	3	13.7	9.7	8.0	8.9	6.4	0.8	0.8	0.0	0.0	0.0	0.0	3.59	
	4	13.7	13.7	12.9	9.7	5.6	1.6	0.8	0.0	0.0	0.0	0.0	3.89	
	5	4.0	16.1	13.7	12.1	7.2	4.0	0.0	0.0	0.0	0.0	0.0	3.28	
	6	12.9	11.3	10.5	9.7	8.9	3.2	0.8	0.0	0.0	0.0	0.0	2.79	
	7	14.5	15.3	11.3	10.5	7.2	1.6	1.6	3.2	1.6	2.4	2.4	3.79	
	8	6.4	9.7	1.6	0.0	1.6	0.0	0.0	0.0	0.0	0.0	0.0	1.84	
	9	9.7	11.3	11.3	13.7	7.2	1.6	0.8	0.0	0.0	0.0	0.0	3.18	
	10	15.3	15.3	12.1	12.1	10.5	5.6	1.6	0.0	0.0	0.0	0.0	4.36	
	11	12.1	14.5	12.9	11.3	5.6	1.6	0.0	0.0	0.0	0.0	1.6	2.4	3.32
	12	12.1	13.7	12.1	9.7	5.6	0.8	0.0	0.8	0.8	0.8	0.8	0.0	3.42
	13	9.7	8.0	8.9	6.4	4.8	2.4	0.0	0.0	0.0	0.0	0.0	0.0	2.38
	14	12.1	12.9	12.9	12.1	9.7	3.2	1.6	0.8	0.8	0.0	0.0	0.0	3.62
	15	11.3	12.9	11.3	7.2	3.2	0.8	0.0	0.0	0.0	0.0	0.8	1.6	2.82
	16	14.5	11.3	12.9	5.6	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.88
	17	12.9	14.5	13.7	12.9	8.0	1.6	0.0	0.8	0.8	0.0	0.0	0.0	4.15
	18	16.1	19.3	20.1	12.9	12.9	4.8	0.0	0.0	0.0	0.0	0.0	0.0	5.46
	19	12.9	10.5	10.5	11.3	9.7	1.6	0.0	0.0	0.0	0.0	1.6	1.6	4.26
	20	2.4	8.9	11.3	9.7	8.0	1.6	0.0	0.0	0.8	0.8	0.8	0.0	3.42
	21	12.9	14.5	15.3	12.9	10.5	4.8	0.0	0.0	0.0	0.0	0.0	0.0	4.70
	22	12.1	14.5	16.1	14.5	11.3	4.8	0.0	0.0	0.8	0.8	0.0	0.0	4.46
	23	8.9	16.1	14.5	8.9	9.7	4.0	0.0	0.0	0.0	0.0	0.0	0.0	3.65
	24	12.1	15.3	16.9	17.7	15.3	8.0	3.2	0.0	0.0	0.0	0.0	0.0	5.47
	25	13.7	15.3	16.1	11.3	5.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0	3.68
	26	15.3	14.5	12.1	11.3	6.4	2.4	0.8	1.6	3.2	3.2	1.6	0.8	3.99
	27	14.5	12.1	11.3	8.0	4.8	0.8	0.0	0.0	0.0	1.6	0.8	1.6	3.38
	28	16.1	17.7	16.9	12.1	8.0	1.6	2.4	3.2	3.2	0.8	0.0	0.0	4.65
	29	16.1	16.1	14.5	12.1	5.6	0.0	0.8	1.6	0.8	0.0	0.8	2.4	4.43
	30	14.5	13.7	16.1	13.7	10.5	3.2	0.0	0.0	0.0	0.0	3.2	2.4	4.75
Hourly Means.	11.71	13.16	12.62	10.53	7.53	2.48	0.56	0.40	0.43	0.35	0.43	0.43	3.71	

CLOUDS.

CLEAR = 0. — OVERCAST = 10.

Mean Batavia Time.	1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
S E P T E M B E R.	1	3	2	3	3	1	2	4	3	4	10	10	—
	2	3	5	5	2	3	6	1	0	3	3	4	—
	3	1	0	0	0	1	4	6	4	5	7	7	—
	4	7	6	4	6	3	4	2	7	6	7	6	—
	5	2	2	3	3	2	1	1	1	0	1	0	—
	6	4	5	3	3	2	2	1	1	2	6	7	—
	7	3	2	2	3	4	6	2	3	4	7	6	—
	8	6	4	3	4	2	9	9	7	8	7	7	—
	9	6	3	2	1	2	4	6	3	2	3	4	—
	10	7	4	3	3	2	1	1	2	7	6	3	—
	11	7	8	4	2	9	7	2	3	6	6	7	—
	12	3	2	3	3	5	6	3	2	3	6	6	—
	13	10	10	9	5	7	10	9	7	6	6	6	—
	14	4	6	3	4	4	4	5	4	3	2	7	—
	15	1	5	10	4	3	4	2	2	1	7	3	—
	16	9	9	8	9	8	9	5	7	8	7	7	—
	17	10	10	10	10	9	9	6	5	4	7	6	—
	18	10	7	9	7	7	5	4	3	5	5	7	—
	19	9	8	10	9	6	6	5	2	1	6	4	—
	20	10	9	10	10	10	10	7	6	4	6	8	—
	21	1	0	1	2	1	2	2	2	1	4	4	—
	22	3	2	2	2	4	6	1	2	1	3	4	—
	23	3	2	3	5	7	8	4	2	2	6	6	—
	24	4	3	6	4	3	2	2	3	1	7	6	—
	25	2	2	3	2	4	4	1	6	6	6	7	—
	26	3	2	3	1	1	2	2	1	3	4	5	—
	27	5	7	9	3	3	6	10	10	8	10	9	—
	28	3	10	9	3	8	8	7	5	7	6	5	—
	29	7	6	6	6	4	4	6	6	7	5	6	—
	30	8	4	3	3	2	2	1	6	6	7	5	—

Hourly Means.	5.1	4.8	5.0	4.1	4.2	5.1	3.9	3.9	3.8	4.9	5.8	5.7	—
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Mean Batavia Time.	1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
S E P T E M B E R.	1	10	10	7	6	4	2	2	1	1	1	1	4.0
	2	6	6	7	3	3	2	3	6	7	7	7	4.2
	3	7	6	7	4	3	4	7	7	3	3	2	4.0
	4	5	5	6	4	6	6	4	2	2	4	3	4.7
	5	5	3	2	2	4	5	6	7	5	3	3	2.9
	6	3	6	6	5	3	4	3	4	7	5	4	4.0
	7	2	7	7	6	6	4	10	6	10	7	8	5.2
	8	9	10	10	9	9	10	9	9	8	7	3	7.3
	9	7	5	6	6	5	6	1	1	2	2	3	3.5
	10	6	5	3	2	2	3	5	7	6	6	3	3.9
	11	3	1	1	1	1	2	10	10	9	8	5	5.4
	12	3	3	3	5	4	5	10	8	6	9	8	4.9
	13	8	7	6	7	6	7	9	8	4	3	5	7.0
	14	5	5	3	4	6	6	7	1	3	3	2	4.1
	15	7	10	6	4	3	2	4	6	6	6	5	4.8
	16	7	8	8	9	9	7	3	2	3	10	10	7.3
	17	7	5	8	6	7	7	8	10	6	6	8	7.2
	18	6	7	6	5	6	6	8	6	4	3	3	5.6
	19	5	5	6	7	7	10	9	10	8	9	9	7.0
	20	9	7	3	2	3	5	7	7	9	7	5	7.0
	21	3	1	1	1	1	2	1	1	0	0	1	1.6
	22	2	2	5	5	4	6	7	9	5	4	4	3.8
	23	6	7	9	10	3	9	8	5	3	4	4	5.4
	24	7	5	3	3	4	6	3	1	3	0	1	3.4
	25	8	7	3	7	7	7	7	6	7	3	3	5.0
	26	0	0	0	0	7	10	10	10	9	10	3	4.0
	27	9	5	3	4	8	7	10	10	6	6	10	7.4
	28	7	3	3	2	2	8	4	6	8	7	5	5.8
	29	6	5	3	7	9	10	9	10	10	6	4	6.6
	30	7	7	6	4	3	2	4	7	5	3	3	4.4

Hourly Means.	5.8	5.4	4.9	4.7	5.1	5.7	6.3	6.1	5.5	5.8	5.1	4.5	5.1
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ATMOSPHERIC ELECTRICITY.

IN VOLTS. — P. N. = POSITIVE OR NEGATIVE OUT OF SCALE.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
SEPTEMBER.	1	2.6	2.5	2.6	3.4	4.6	5.4	5.1	0.7	1.3	1.3	N.	P.	—
	2	8.8	9.4	8.6	8.3	9.0	8.8	8.8	4.0	2.7	1.8	1.7	2.1	—
	3	7.0	6.6	4.7	4.5	4.0	4.4	7.4	2.8	1.9	1.4	2.0	0.4	—
	4	5.9	4.2	2.3	3.0	2.2	3.1	4.8	3.7	0.9	1.1	1.1	0.7	—
	5	5.8	4.1	3.0	3.4	1.1	4.4	4.7	3.6	0.9	0.5	0.4	0.7	—
	6	—	—	—	—	—	—	—	2.2	—0.1	—0.9	—0.9	—1.1	—
	7	5.9	5.9	5.9	6.4	3.9	6.2	9.7	4.8	0.4	0.0	0.0	—0.2	—
	8	4.4	3.2	3.4	3.4	4.1	4.6	5.5	1.8	4.1	1.8	2.5	1.3	—
	9	10.7	8.4	9.2	12.6	10.4	17.4	15.8	4.2	2.2	2.6	2.5	2.5	—
	10	5.3	5.9	5.4	5.4	4.8	5.8	5.2	1.8	1.2	1.0	1.1	—0.6	—
	11	—	—	—	—	—	4.1	4.4	3.0	1.6	0.6	0.6	0.4	—
	12	2.7	2.8	3.1	2.8	3.2	2.7	3.7	2.9	1.8	1.0	0.7	—0.4	—
	13	1.9	1.5	1.9	2.5	2.6	5.2	6.1	1.8	0.6	0.6	0.7	0.0	—
	14	4.1	3.0	2.9	2.7	2.6	4.1	3.0	0.0	0.0	—0.7	0.0	—0.7	—
	15	3.3	3.6	4.1	3.3	3.7	3.7	3.6	0.0	1.4	0.7	0.9	0.2	—
	16	—	—	—	—	—	—	—	—	—	—	—	—	—
	17	—	—	—	—	—	—	—	—	2.2	2.2	0.0	—5.2	—
	18	1.8	3.4	3.0	3.3	3.7	3.0	3.4	0.0	1.6	0.1	0.3	—1.1	—
	19	5.5	5.1	5.5	3.4	3.4	3.1	3.3	1.8	—1.0	—1.2	—0.4	—2.7	—
	20	3.5	4.3	1.3	N.	1.8	4.3	10.5	8.2	7.8	2.6	3.2	2.4	—
	21	6.7	6.3	6.2	6.3	7.1	7.4	8.4	2.6	3.6	2.1	0.9	0.0	—
	22	9.0	12.6	10.0	10.4	9.6	9.2	8.0	4.6	2.4	2.5	0.4	—11.8	—
	23	8.7	5.9	5.2	4.7	5.3	6.1	1.1	4.1	2.2	1.8	2.1	0.4	—
	24	9.9	8.9	10.0	9.9	8.1	6.3	6.3	0.9	—1.1	—0.1	0.1	—3.8	—
	25	11.5	10.9	7.4	6.2	6.5	7.9	8.5	4.0	0.3	2.5	1.5	1.1	—
	26	10.4	11.4	7.9	8.9	8.9	11.2	8.3	4.6	1.7	—1.1	—1.6	—3.0	—
	27	4.9	5.2	4.4	6.4	5.0	4.8	0.9	5.3	2.7	—2.6	—3.9	—0.1	—
	28	—	—	—	—	—	—	—	—	—0.3	0.0	—0.4	—1.5	—
	29	5.3	5.3	5.5	4.1	4.7	3.8	1.8	0.9	—0.2	—2.6	—2.7	—5.3	—
	30	5.2	5.4	5.8	5.2	5.3	3.5	5.9	3.2	2.2	0.4	0.0	—0.3	—
Hourly Means.		6.0	5.8	5.2	5.4	5.0	5.8	5.9	2.9	1.6	0.7	0.5	—0.9	—
Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
SEPTEMBER.	1	P.	P.	N.	4.4	2.5	4.8	5.9	5.9	7.5	7.1	8.7	8.1	4.4
	2	2.1	1.5	2.4	3.6	3.8	3.2	3.3	3.7	6.0	6.6	6.8	8.7	5.2
	3	0.0	—0.4	0.2	0.0	0.4	0.1	2.5	3.7	5.8	4.5	4.1	4.1	3.0
	4	0.0	—1.9	—0.3	—2.8	—1.3	0.9	0.8	1.1	4.8	5.7	6.9	4.9	2.2
	5	—0.7	—0.4	—3.3	—	—	—	—	—	—	—	—	—	1.9
	6	0.3	0.0	—0.9	—0.8	2.8	3.0	4.7	3.0	5.2	2.6	3.9	7.0	1.8
	7	—2.3	—1.2	0.0	0.7	1.6	4.5	2.7	1.8	1.3	2.5	2.7	4.4	2.8
	8	0.0	N.	P.	P.	N.	P.	P.	N.	—	9.3	7.4	8.5	2.9
	9	2.5	1.7	0.4	1.1	2.6	1.8	3.7	3.9	4.7	5.1	5.1	7.1	5.8
	10	0.3	—0.4	0.7	0.3	—	—	—	—	—	—	—	—	2.7
	11	0.0	—1.2	0.6	0.7	1.1	2.3	1.5	1.5	4.1	4.4	2.3	2.4	1.8
	12	0.0	—1.5	—1.2	—0.1	0.0	0.8	3.7	7.4	2.6	1.8	2.0	2.1	1.9
	13	0.7	1.3	0.4	0.7	1.8	1.9	3.3	2.9	4.4	4.2	3.3	4.4	2.3
	14	—5.9	—0.9	—1.0	—0.4	—1.0	—0.7	4.1	1.8	1.8	1.6	2.1	2.5	1.0
	15	—0.4	—0.9	0.1	—0.7	—0.1	0.7	1.6	3.0	1.9	—	—	—	1.6
	16	—	—	—	—	—	—	—	—	—	—	—	—	—
	17	—0.4	—2.4	—6.1	—11.9	—3.8	—2.0	3.0	3.3	3.2	3.8	3.7	3.1	0.5
	18	—1.1	—9.6	—22.2	—6.3	—2.6	0.4	2.4	6.2	8.1	11.3	5.2	5.5	0.8
	19	—0.7	—2.8	—0.7	—3.7	0.0	—0.7	0.7	1.9	1.9	2.4	2.6	3.4	1.3
	20	2.2	1.7	1.0	—1.9	1.5	2.6	2.1	5.4	11.4	6.0	5.5	6.1	4.1
	21	—3.1	—0.7	7.7	—8.5	—0.9	—0.7	1.8	6.2	8.9	12.9	13.1	10.0	3.7
	22	—3.1	—3.7	—4.8	—12.2	—2.4	—0.6	2.5	3.1	11.1	8.4	8.9	8.5	3.4
	23	—2.3	—13.0	—5.0	—3.7	—0.4	1.8	5.9	10.5	15.5	19.2	10.0	11.3	4.1
	24	1.5	—1.9	—5.2	—5.5	—4.1	0.5	4.4	6.6	12.4	12.9	—13.9	15.1	3.3
	25	—0.6	0.1	—3.9	—4.4	—0.7	3.1	8.3	5.5	9.0	6.8	9.8	10.0	4.6
	26	—5.9	—0.7	—5.2	—5.2	0.8	—0.5	1.9	3.3	2.9	3.3	2.7	4.3	2.9
	27	—1.5	—1.9	—4.4	—1.2	—	—	—	—	—	—	—	—	1.5
	28	—2.4	—6.3	—7.3	—2.5	0.2	—0.4	3.7	4.1	2.6	4.4	5.9	6.0	0.4
	29	—4.9	—4.6	—5.6	N.	P.	P.	18.3	6.1	4.4	4.3	4.7	4.6	2.3
	30	—3.4	—2.6	—9.8	—3.8	—1.4	—0.4	1.6	4.8	4.0	7.4	6.1	6.3	2.1
Hourly Means.		—1.0	—1.9	—3.3	—2.5	0.0	1.1	3.8	4.3	5.8	5.6	4.8	6.3	2.7

BAROMETRIC PRESSURE.

BAROMETER AT 0°C = 750 MILLIMETRES + THE NUMBERS IN THE TABLE.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
OCTOBER.	1	8.91	8.45	8.31	8.45	8.67	9.10	9.61	9.99	10.13	10.01	9.19	8.68	—
	2	9.20	8.72	8.42	8.50	8.57	8.85	9.51	10.05	10.14	9.81	9.19	8.36	—
	3	8.79	8.59	8.62	8.69	8.72	9.00	9.49	9.85	9.95	9.61	9.07	8.14	—
	4	9.30	8.64	8.49	8.65	8.75	9.06	9.85	10.05	10.34	10.29	9.87	9.08	—
	5	10.02	9.75	9.72	9.83	10.13	10.45	10.84	10.98	10.89	10.49	9.69	9.11	—
	6	9.62	9.18	8.88	9.00	9.30	9.68	9.99	10.42	10.63	10.57	10.19	9.73	—
	7	9.83	9.40	9.15	9.49	9.77	9.93	10.78	11.20	11.24	10.49	9.97	9.48	—
	8	9.97	9.68	9.45	9.11	9.16	9.48	10.03	10.38	10.84	10.37	9.74	9.03	—
	9	9.19	8.73	8.73	8.62	8.81	9.43	9.84	10.34	10.30	9.68	9.06	8.37	—
	10	8.93	8.60	8.41	8.70	8.77	9.11	9.59	9.67	9.84	9.82	9.22	8.13	—
	11	8.64	8.10	7.45	7.46	7.49	7.84	8.72	9.03	9.11	9.46	9.28	8.61	—
	12	8.21	7.72	7.22	7.44	7.84	8.35	9.11	9.60	9.54	9.41	8.96	8.03	—
	13	8.50	8.14	7.48	7.70	8.17	8.52	8.91	9.75	10.03	9.79	9.57	8.98	—
	14	8.84	8.56	8.42	8.37	8.87	9.45	10.11	10.48	10.49	10.29	10.03	9.57	—
	15	8.56	8.17	8.12	8.33	8.80	9.30	9.66	10.41	10.65	10.49	9.99	8.63	—
	16	8.21	7.87	7.88	8.04	8.26	8.56	8.87	9.20	9.16	8.86	8.23	7.46	—
	17	7.81	7.44	7.45	7.65	7.97	8.58	8.78	9.38	9.64	9.54	8.98	8.24	—
	18	7.92	7.77	7.58	7.60	7.85	8.01	8.50	9.10	9.19	8.93	8.74	8.27	—
	19	7.77	7.46	7.45	7.62	7.96	8.51	8.96	9.29	9.48	9.29	8.91	8.56	—
	20	8.88	8.12	8.31	8.43	8.78	9.17	9.81	10.01	9.88	9.76	9.34	8.67	—
	21	8.88	8.25	7.83	7.67	7.90	8.12	8.70	8.94	8.76	8.21	7.74	7.01	—
	22	7.03	6.75	6.43	6.35	6.65	7.00	7.73	8.28	8.25	7.94	7.71	7.09	—
	23	8.10	7.56	7.21	7.47	7.74	8.10	9.41	10.03	9.83	9.66	9.54	8.67	—
	24	9.57	8.93	8.53	8.43	8.93	9.32	9.94	10.26	10.47	10.48	10.15	9.40	—
	25	8.76	8.30	7.86	7.72	7.74	7.79	8.26	8.76	8.84	8.77	8.25	7.37	—
	26	7.08	6.29	6.59	6.28	6.24	6.90	7.60	8.20	8.45	8.19	7.79	7.32	—
	27	7.97	7.49	7.29	7.29	7.56	7.97	8.72	9.12	9.60	9.23	8.88	8.41	—
	28	9.01	8.17	8.21	8.43	8.55	9.24	9.94	10.01	10.18	10.27	9.98	9.38	—
	29	9.79	9.14	8.92	8.94	8.98	9.19	9.68	9.88	10.16	10.14	9.72	9.13	—
	30	8.25	7.97	7.98	7.96	8.07	8.27	8.82	9.04	9.01	8.90	8.61	7.52	—
	31	8.07	7.66	7.21	7.09	7.46	7.66	8.19	8.74	8.81	8.62	8.27	7.65	—
Hourly Means.		8.70	8.25	8.05	8.11	8.34	8.71	9.29	9.69	9.80	9.59	9.16	8.45	—
Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
OCTOBER.	1	7.87	7.27	7.07	7.06	7.37	7.68	8.13	8.58	9.29	9.74	9.87	9.68	8.71
	2	7.54	6.73	6.41	6.45	6.91	7.42	7.69	8.48	9.03	9.22	9.36	9.11	8.49
	3	7.30	6.93	6.73	6.87	7.28	7.89	8.44	9.09	9.37	9.87	9.79	9.71	8.66
	4	8.43	7.87	7.85	7.82	8.18	8.89	9.69	10.34	10.74	10.97	10.81	10.40	9.35
	5	8.45	7.88	7.66	7.68	8.18	8.61	9.46	9.78	10.27	10.62	10.61	10.08	9.63
	6	8.73	8.17	7.98	8.18	8.64	9.07	9.49	10.06	10.54	10.63	10.62	10.25	9.56
	7	9.05	8.47	8.21	8.16	8.41	9.11	9.53	10.02	10.59	10.85	10.94	10.37	9.77
	8	8.11	7.40	6.90	6.77	7.23	7.89	8.43	9.33	9.64	9.86	9.93	9.67	9.10
	9	7.66	7.18	6.93	6.61	7.13	7.63	8.32	9.08	9.31	9.84	9.76	9.23	8.74
	10	7.63	6.85	6.38	6.38	6.62	7.36	8.12	8.91	9.16	9.56	9.27	9.18	8.51
	11	7.78	7.47	6.84	6.73	7.33	8.36	8.52	9.89	10.27	10.02	9.58	8.85	8.45
	12	7.37	6.65	6.25	5.87	6.26	6.88	7.32	8.08	8.99	9.39	9.24	9.07	8.03
	13	7.96	8.12	7.78	7.84	8.05	8.29	9.00	9.82	10.42	10.62	10.28	9.60	8.89
	14	8.72	8.03	7.76	7.74	8.75	9.55	9.98	9.99	10.19	10.11	9.63	9.05	9.29
	15	7.96	7.43	6.87	7.62	7.38	7.51	7.89	8.46	8.93	9.16	8.97	8.50	8.66
	16	6.44	6.18	5.73	5.73	6.27	7.10	7.58	7.83	8.34	8.51	8.42	8.24	7.79
	17	7.74	7.16	7.19	7.09	6.80	6.87	7.17	7.52	8.15	8.17	8.18	8.00	7.98
	18	7.65	6.82	6.32	6.02	6.53	7.10	7.65	8.40	8.75	9.08	9.00	8.62	7.98
	19	7.74	6.92	6.85	6.97	7.43	8.15	8.94	9.27	9.78	9.94	9.61	9.24	8.42
	20	7.92	7.46	7.01	7.01	7.41	8.32	8.72	8.96	9.51	9.16	9.66	9.34	8.71
	21	6.14	5.40	5.08	4.72	4.92	5.36	5.97	6.63	7.09	7.60	7.58	7.05	7.15
	22	6.41	5.55	5.13	5.31	5.93	6.44	7.24	8.00	8.75	8.87	8.82	8.47	7.17
	23	7.71	7.07	7.42	7.77	8.70	9.39	9.58	9.93	10.14	10.29	10.43	10.23	8.83
	24	8.73	7.87	7.52	7.59	8.09	8.68	9.18	9.47	9.81	9.99	10.02	9.74	9.21
	25	6.29	5.73	5.13	5.86	6.46	7.00	7.35	7.49	7.86	8.01	7.89	7.79	7.55
	26	6.67	6.00	5.41	5.36	6.09	6.85	7.70	8.32	8.51	8.62	8.51	8.20	7.22
	27	7.41	6.97	6.78	6.73	7.51	8.32	8.77	9.27	9.81	10.07	9.73	9.44	8.35
	28	8.63	8.37	8.03	7.98	8.52	9.03	9.48	10.08	10.48	10.88	10.83	10.39	9.34
	29	8.37	7.51	6.73	6.40	6.51	7.66	8.13	8.73	9.18	9.46	9.18	8.61	8.76
	30	7.12	6.49	6.50	6.30	6.44	7.00	7.52	7.87	8.21	8.65	8.46	8.17	7.88
	31	6.87	5.95	6.20	6.86	7.41	7.69	8.16	8.71	8.62	8.54	8.57	7.97	7.79
Hourly Means.		7.69	7.09	6.80	6.82	7.25	7.84	8.36	8.92	9.35	9.56	9.47	9.10	8.52

STANDARD THERMOMETER.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
OCTOBER.	1	77.1	76.4	75.3	74.9	74.4	73.8	74.7	78.7	82.4	84.4	86.0	87.0	—
	2	76.2	75.4	74.2	74.1	73.2	73.0	74.7	79.0	82.4	84.5	84.7	86.6	—
	3	77.2	76.5	75.5	75.0	74.5	74.2	74.5	77.0	82.6	85.0	85.6	87.4	—
	4	77.9	78.1	77.2	76.8	76.0	75.5	77.0	81.0	83.6	85.0	87.0	89.0	—
	5	77.8	77.4	77.4	77.2	76.9	76.3	76.3	79.4	83.1	85.3	87.4	87.1	—
	6	77.0	77.0	76.6	76.0	75.8	75.8	76.2	78.0	80.0	82.4	83.8	85.0	—
	7	77.0	76.8	76.1	75.9	75.9	75.6	76.5	78.0	80.6	85.4	87.0	86.2	—
	8	77.7	76.9	76.5	75.2	74.7	74.5	76.3	78.4	80.0	83.0	87.0	89.7	—
	9	79.0	77.5	76.5	75.7	75.0	74.5	76.1	78.4	82.2	85.0	86.9	88.0	—
	10	78.7	78.0	77.0	76.4	76.4	75.4	76.5	79.5	83.6	85.7	86.7	88.0	—
	11	76.7	76.0	75.8	75.7	76.0	76.0	78.0	81.6	83.4	85.0	86.0	84.5	—
	12	75.4	75.4	75.0	75.0	74.8	74.3	75.0	78.2	81.4	86.2	88.2	86.8	—
	13	78.2	77.6	76.9	76.3	76.9	77.0	78.3	80.0	81.8	81.8	83.2	82.8	—
	14	74.7	74.6	74.6	74.6	74.6	74.7	75.1	76.0	77.3	78.2	80.0	81.5	—
	15	73.9	73.9	73.9	73.7	73.7	73.7	74.6	76.9	78.6	81.0	83.3	85.6	—
	16	73.0	72.8	72.1	72.0	71.7	71.7	73.5	77.5	81.3	83.7	85.3	86.8	—
	17	76.0	76.0	76.0	76.0	74.0	71.8	72.0	72.0	72.2	73.1	74.8	77.2	—
	18	74.2	74.2	73.9	73.5	73.7	74.0	74.9	77.7	81.0	83.5	84.2	83.8	—
	19	76.2	75.6	74.4	74.1	73.9	73.7	75.7	80.6	83.4	85.5	88.0	87.0	—
	20	76.3	75.7	75.0	74.2	73.9	74.1	75.2	78.7	82.0	84.5	85.6	86.8	—
	21	75.5	75.0	74.8	74.0	73.9	73.5	75.2	76.7	79.9	83.5	86.4	87.1	—
	22	76.0	75.5	75.0	74.5	74.0	73.8	75.6	78.8	82.6	85.2	86.6	87.5	—
	23	75.2	74.3	74.0	73.2	73.1	73.0	75.0	77.8	81.4	83.8	85.8	88.0	—
	24	73.9	74.1	74.1	73.9	73.7	73.6	74.5	76.1	80.5	82.1	83.4	83.4	—
	25	74.4	74.3	74.0	73.7	73.2	73.1	74.0	76.6	78.7	83.4	85.3	85.6	—
	26	74.0	73.7	73.4	73.0	73.2	73.0	75.2	78.0	80.1	82.2	83.0	81.7	—
	27	73.9	73.6	73.3	73.1	72.8	73.0	74.2	76.8	80.6	82.9	81.9	86.9	—
	28	75.1	75.0	74.7	74.5	74.1	74.0	76.0	78.5	81.3	83.0	85.7	84.8	—
	29	75.6	75.1	75.2	74.4	74.0	74.0	75.0	78.9	82.0	84.3	87.0	86.5	—
	30	77.4	76.9	76.3	76.0	75.8	75.5	76.5	79.5	80.7	81.6	84.2	85.0	—
	31	76.0	75.5	75.5	75.0	75.0	75.0	76.8	80.2	81.1	83.0	84.2	85.7	—
Hourly Means.		76.04	75.64	75.17	74.76	74.48	74.23	75.45	78.21	81.03	83.33	85.07	85.77	—
Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
OCTOBER.	1	87.0	86.9	85.9	85.5	84.1	82.7	82.3	81.9	81.0	79.8	78.8	77.6	80.78
	2	87.2	87.4	86.2	85.0	84.0	83.0	82.5	82.0	81.0	80.1	79.5	78.3	80.59
	3	87.2	86.9	86.1	84.6	84.0	83.0	82.2	82.0	81.2	80.5	80.0	79.4	80.92
	4	87.6	87.2	85.0	85.0	83.7	83.2	81.8	81.3	80.5	79.3	78.5	77.9	81.46
	5	87.5	86.9	85.2	84.2	83.6	83.1	82.8	82.2	80.2	79.8	78.5	78.0	81.40
	6	85.5	84.5	84.0	84.0	83.6	82.6	81.5	80.5	79.6	78.6	78.1	77.9	80.17
	7	85.0	85.4	85.6	83.9	83.1	82.4	80.4	79.0	78.5	78.0	77.5	77.7	80.31
	8	90.6	88.0	87.1	84.9	83.6	83.5	83.0	82.8	82.3	81.8	80.8	79.8	81.59
	9	87.0	86.5	85.0	84.8	84.1	83.0	82.7	81.8	81.4	81.0	80.5	79.4	81.33
	10	88.0	87.5	87.0	87.0	85.5	85.0	81.8	79.5	79.0	77.8	76.8	76.4	81.38
	11	81.1	82.2	83.6	84.6	82.6	81.1	80.0	78.0	77.8	77.0	76.0	75.3	79.75
	12	85.6	89.0	89.8	89.8	88.0	85.0	84.2	83.7	82.1	80.6	79.6	79.0	81.75
	13	81.4	77.6	76.6	76.8	76.8	76.2	75.8	76.0	76.0	76.0	75.5	75.1	77.94
	14	83.0	84.0	82.2	81.8	81.0	76.2	74.8	74.7	74.2	73.8	73.8	73.5	77.04
	15	85.4	85.3	85.1	78.5	75.5	75.0	74.8	74.9	74.6	74.0	73.5	73.5	77.20
	16	86.0	85.6	85.0	84.5	83.5	79.5	78.2	78.0	77.1	76.9	76.9	76.9	78.73
	17	78.5	78.9	79.0	79.0	79.0	78.0	77.1	76.3	75.6	75.5	75.0	74.6	75.73
	18	83.0	84.7	85.0	84.7	83.6	82.5	81.0	80.3	79.5	78.2	78.0	77.1	79.43
	19	88.2	88.0	87.0	85.5	84.0	82.8	82.1	80.4	79.5	79.0	78.1	77.5	80.84
	20	85.5	84.1	85.0	85.0	84.0	83.0	80.1	79.1	77.8	77.2	76.6	76.2	79.82
	21	87.7	87.0	87.4	85.2	85.1	83.7	81.9	80.0	79.8	78.2	77.8	76.9	80.26
	22	86.4	86.8	87.0	86.0	80.4	80.0	79.3	78.1	77.1	76.7	76.1	75.5	79.77
	23	89.5	86.7	82.0	82.5	76.4	75.0	74.8	74.0	74.0	73.8	74.2	74.2	77.99
	24	84.4	84.5	84.8	83.2	79.0	77.7	76.5	76.0	75.5	74.9	74.7	74.7	77.88
	25	85.5	85.0	85.0	83.1	78.8	75.2	74.0	74.0	74.0	74.0	74.0	74.0	77.62
	26	82.6	80.6	81.7	81.5	80.5	75.1	75.5	75.1	75.0	74.5	74.2	74.2	77.13
	27	87.7	85.7	85.0	81.1	82.8	79.9	79.0	78.5	76.7	76.3	75.5	75.2	78.85
	28	84.0	80.5	81.8	82.3	82.3	80.5	78.0	76.8	76.4	76.0	75.8	75.8	78.62
	29	86.1	85.7	84.8	83.4	82.9	82.0	81.3	81.0	79.0	78.9	78.5	77.8	80.14
	30	85.4	85.4	84.4	83.2	82.6	79.5	78.0	77.8	77.7	77.5	76.7	76.3	79.58
	31	84.5	84.6	84.0	80.2	77.1	75.7	76.1	76.0	75.5	75.2	74.7	74.2	78.37
Hourly Means.		85.62	85.13	84.62	83.67	82.10	80.49	79.47	78.76	78.05	77.45	76.91	76.45	79.50

RELATIVE HUMIDITY OF THE AIR.

SATURATION = 1000.

Mean Batavia Time.	1 A.M.	2	3	4	5	6	7	8	9	10	11	12	—	
OCTOBER.	1	795	809	823	830	845	844	821	717	674	630	624	555	—
	2	856	872	887	878	877	868	830	763	688	643	625	602	—
	3	866	865	861	871	887	887	870	834	690	633	622	611	—
	4	860	852	875	883	890	880	842	762	665	644	608	568	—
	5	836	851	843	859	874	890	841	676	638	614	575	603	—
	6	803	787	786	793	775	752	745	713	664	627	588	557	—
	7	772	778	801	784	769	760	732	714	654	554	515	570	—
	8	765	802	802	847	879	896	833	754	730	643	525	479	—
	9	831	867	890	898	897	879	856	807	702	600	590	571	—
	10	869	868	866	890	906	939	915	840	628	598	597	590	—
	11	857	881	889	914	906	898	836	748	725	677	688	729	—
	12	864	880	904	904	897	896	888	783	713	575	549	609	—
	13	893	900	916	915	916	916	861	818	777	742	740	760	—
	14	947	956	947	947	956	947	939	957	917	885	848	784	—
	15	929	938	938	947	947	947	930	883	838	769	705	617	—
	16	955	946	964	955	964	964	946	852	791	720	653	658	—
	17	923	915	915	906	956	936	919	928	916	955	939	867	—
	18	965	956	947	965	965	947	956	892	798	706	663	693	—
	19	898	898	921	930	938	947	915	739	685	621	582	651	—
	20	906	905	914	930	947	938	914	846	743	676	628	627	—
	21	923	930	922	947	938	956	922	875	795	699	626	646	—
	22	890	898	897	904	912	903	889	800	731	678	652	667	—
	23	888	912	921	937	946	946	847	836	741	634	598	566	—
	24	947	938	938	938	956	946	913	899	753	695	685	712	—
	25	947	939	938	947	955	946	938	866	800	685	653	661	—
	26	947	938	946	955	955	964	889	821	767	702	704	777	—
	27	938	956	965	964	964	973	947	875	804	718	665	597	—
	28	922	922	939	956	956	956	899	838	784	691	674	683	—
	29	931	930	922	939	938	938	930	822	736	642	590	656	—
	30	907	907	923	940	940	966	932	855	827	799	702	684	—
	31	915	914	898	913	922	930	874	766	776	697	688	719	—
Hourly Means.	889	894	900	909	915	915	883	815	748	682	648	647	—	
Mean Batavia Time.	1 P.M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.	
OCTOBER.	1	531	536	574	566	616	642	680	713	732	764	778	835	706
	2	574	586	593	625	647	675	709	714	704	736	786	821	732
	3	610	609	617	676	687	703	721	742	769	788	802	816	752
	4	661	654	697	665	706	725	735	755	788	839	899	844	761
	5	592	613	638	654	705	710	752	764	841	840	814	820	743
	6	577	636	654	648	633	648	718	723	764	799	797	743	705
	7	645	628	641	687	718	758	759	793	791	797	819	774	717
	8	462	577	597	643	698	719	710	738	743	756	789	816	717
	9	608	600	638	651	687	724	759	777	791	805	826	855	755
	10	601	616	620	639	678	670	713	771	778	820	842	841	754
	11	843	852	833	650	710	761	802	828	805	826	840	871	807
	12	686	513	500	472	524	690	735	734	800	827	848	870	736
	13	784	907	932	932	924	923	931	940	940	931	939	956	883
	14	725	721	793	792	783	849	888	904	921	929	938	956	885
	15	679	691	697	837	898	913	930	930	947	938	947	946	864
	16	668	680	691	702	754	794	860	876	900	906	906	906	834
	17	838	831	823	839	839	876	916	924	940	931	930	939	905
	18	731	702	690	682	740	765	783	811	847	901	876	866	827
	19	568	614	679	760	812	846	890	903	894	894	908	900	808
	20	621	709	670	670	706	723	803	801	836	859	883	899	798
	21	643	627	635	752	752	803	889	832	832	868	867	882	815
	22	682	696	710	727	895	848	839	853	867	874	882	881	816
	23	579	742	792	779	874	888	888	921	912	929	930	947	831
	24	657	657	683	733	862	892	882	906	922	930	922	930	846
	25	733	644	664	753	814	930	930	938	947	947	947	947	853
	26	794	850	800	807	819	939	922	939	939	956	965	956	877
	27	624	712	737	797	838	887	909	908	907	874	898	922	849
	28	700	826	822	793	793	888	868	899	890	898	915	923	851
	29	656	668	724	768	788	829	873	850	885	885	869	908	820
	30	739	712	688	732	723	816	852	860	860	852	882	899	833
	31	764	771	798	841	883	915	915	915	930	930	939	947	857
Hourly Means.	664	683	698	718	758	798	825	837	852	865	876	884	804	

DIRECTION OF THE WIND.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12
OCTOBER.	1	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSE	NE	NE	NNE
	2	C	C	N	N	N	N	WSW	SW	SSW	ENE	NNE	NNE
	3	C	C	C	C	C	C	C	C	SE	ESE	ESE	NE
	4	C	C	C	C	C	NE	NE	SE	E	N	NE	NE
	5	C	C	C	C	C	C	SSE	SSW	SSE	SE	SSW	NNE
	6	ESE	S	S	S	S	S	S	SSW	SW	SW	SW	WNW
	7	C	C	C	C	SW	C	C	C	SW	SW	E	NNE
	8	C	C	C	C	C	C	ESE	E	C	E	E	S
	9	S	C	C	C	C	C	SW	WSW	WSW	SSW	S	N
	10	C	C	NE	C	ENE	C	C	C	E	SE	N	N
	11	C	C	C	C	C	C	C	SW	SSE	SE	ENE	NNE
	12	C	C	C	SW	C	C	C	WNW	WNW	SSE	SE	NNE
	13	C	C	C	C	C	C	C	C	NNW	ENE	C	NW
	14	C	C	C	C	C	C	C	C	NW	S	E	E
	15	C	C	C	C	C	C	C	C	C	SSW	WSW	WNW
	16	C	C	C	C	C	C	SSW	SSW	SSE	SSW	E	NE
	17	C	C	C	C	W	WSW	W	C	C	C	C	WSW
	18	C	C	C	C	C	C	C	SSE	SSE	SW	N	NNE
	19	C	C	C	C	C	C	E	ESE	SE	E	ESE	N
	20	C	C	C	C	C	C	NE	NE	NNE	SE	S	NNW
	21	C	C	C	C	C	C	C	C	NW	W	WNW	NNE
	22	C	C	C	C	C	C	W	W	W	SW	WSW	N
	23	C	C	C	C	C	C	WSW	SW	SW	SW	WNW	WSW
	24	C	C	C	C	C	C	WSW	WSW	SW	NW	WNW	NNE
	25	C	C	C	C	C	C	S	SW	SSW	E	NE	NE
	26	C	C	C	C	C	SSW	SSE	SE	ESE	E	ENE	NE
	27	C	C	C	C	C	C	SSE	S	S	S	S	E
	28	C	C	C	C	C	C	S	S	SSW	NW	SW	NNE
	29	SSW	C	C	C	C	C	SSW	SSW	SW	SW	S	NE
	30	NNE	C	C	C	C	C	NE	NE	S	S	ESE	NNE
	31	C	C	SSW	C	C	SSW	SSW	C	SSW	WNW	N	N
Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12
OCTOBER.	1	N	NNE	NNE	NNE	NNW	N	C	C	C	C	C	C
	2	NNE	NNE	NNE	N	N	N	C	C	N	C	C	C
	3	NNE	NE	NE	NE	NE	NNE	NE	C	C	C	C	C
	4	NNE	NNE	NNE	NE	NNE	NNE	SW	C	C	C	SW	C
	5	NE	NE	N	N	NNE	NNE	C	C	C	C	NE	ENE
	6	WNW	N	N	NW	NW	NNW	C	C	C	C	NW	SW
	7	NNE	NE	NNE	NE	NE	NE	SE	SE	S	S	S	SSW
	8	WSW	NE	NE	NE	NE	NE	NE	C	C	C	NE	S
	9	NNE	NE	NE	NE	NNE	NE	NE	C	C	C	C	C
	10	NNE	NE	NE	NE	NNE	NNE	SW	SW	C	C	C	C
	11	ENE	N	NNE	ESE	ESE	S	C	WSW	C	C	C	C
	12	N	E	E	E	ENE	ENE	ENE	E	C	C	C	C
	13	NNW	NE	NNW	NNW	NW	C	C	C	C	C	C	C
	14	ENE	ENE	NE	NE	NE	S	SSE	C	C	C	C	C
	15	NNE	NNE	NNE	W	SSW	C	C	C	C	C	C	C
	16	NNE	NNE	NNE	NNE	NNE	S	S	S	C	C	C	C
	17	S	SSE	SSE	SSE	ESE	C	C	C	C	C	C	C
	18	NNE	NE	NE	NE	NE	ENE	C	C	C	C	C	C
	19	NE	NE	NE	NNE	NE	NE	NE	C	C	C	C	C
	20	NNE	NE	N	N	N	SW	SSW	SSW	S	WNW	C	C
	21	NE	N	NE	NNE	N	WNW	C	C	C	C	C	C
	22	N	NNE	N	NNE	W	WNW	W	C	C	WSW	C	C
	23	WNW	NNE	N	ENE	S	C	C	C	C	C	C	C
	24	NE	NNE	NNW	WNW	W	SSW	S	C	C	C	C	C
	25	NNE	NNE	N	NNE	WSW	SSW	SSW	S	SSW	C	C	C
	26	NE	NE	NE	N	NNW	SW	C	C	C	C	C	C
	27	ENE	NE	NNE	NE	NE	SE	C	SE	S	C	C	C
	28	NNE	ENE	NE	NE	NNW	NE	SSW	SSW	SSW	C	C	SSW
	29	NNE	NNE	NE	NE	N	N	N	NNE	NNE	C	C	NNE
	30	NNE	NNE	N	N	NNW	SSW	SSW	SSW	C	C	C	SSW
	31	NNE	N	N	W	SW	SW	SW	SW	C	C	C	C

VELOCITY OF THE WIND IN KILOMETERS PER HOUR.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
OCTOBER.	1	1.6	1.6	1.6	0.8	1.6	1.6	3.2	2.4	3.2	7.2	9.7	12.1	—
	2	0.0	0.0	0.8	0.8	1.6	1.6	2.4	3.2	3.2	2.4	4.8	8.0	—
	3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.8	2.4	4.0	11.3	—
	4	0.0	0.0	0.0	0.0	0.0	0.8	0.8	2.4	5.6	4.8	6.4	10.5	—
	5	0.0	0.0	0.0	0.0	0.0	0.0	0.8	2.4	4.0	4.8	4.8	5.6	—
	6	1.6	1.6	0.8	0.8	0.8	1.6	1.6	3.2	4.8	4.8	1.6	1.6	—
	7	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	1.6	6.4	6.4	9.7	—
	8	0.0	0.0	0.0	0.0	0.0	0.0	4.8	1.6	0.0	2.4	6.4	5.6	—
	9	1.6	0.0	0.0	0.0	0.0	0.0	0.8	1.6	1.6	3.2	2.4	11.3	—
	10	0.0	0.0	0.8	0.0	0.8	0.0	0.0	0.0	3.2	4.8	4.8	12.1	—
	11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	4.0	4.8	—
	12	0.0	0.0	0.0	1.6	0.0	0.0	0.0	1.6	0.8	7.2	11.3	10.5	—
	13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	4.8	0.0	4.0	—
	14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	2.4	3.2	3.2	—
	15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	2.4	4.8	—
	16	0.0	0.0	0.0	0.0	0.0	0.0	1.6	2.4	4.0	3.2	1.6	6.4	—
	17	0.0	0.0	0.0	0.0	4.8	4.0	0.8	0.0	0.0	0.0	0.0	0.8	—
	18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	4.0	6.4	—
	19	0.0	0.0	0.0	0.0	0.0	0.0	0.8	5.6	7.2	8.9	10.5	10.5	—
	20	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.6	0.8	1.6	1.6	4.8	—
	21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	2.4	3.2	8.9	—
	22	0.0	0.0	0.0	0.0	0.0	0.0	0.8	3.2	1.6	1.6	3.2	8.9	—
	23	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	1.6	1.6	4.0	4.0	—
	24	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.6	1.6	3.2	3.2	4.8	—
	25	0.0	0.0	0.0	0.0	0.0	0.0	1.6	3.2	4.8	9.7	9.7	11.3	—
	26	0.0	0.0	0.0	0.0	0.0	0.8	4.8	2.4	3.2	6.4	5.6	7.2	—
	27	0.0	0.0	0.0	0.0	0.0	0.0	0.8	3.2	4.8	4.8	6.4	5.6	—
	28	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	1.6	2.4	1.6	8.9	—
	29	0.8	0.0	0.0	0.0	0.0	0.0	1.6	3.2	2.4	5.6	5.6	12.9	—
	30	0.8	0.0	0.0	0.0	0.0	0.0	3.2	2.4	3.2	3.2	5.6	15.3	—
	31	0.0	0.0	0.8	0.0	0.0	0.8	1.6	0.0	0.8	4.8	8.0	10.5	—
Hourly Means.		0.21	0.10	0.15	0.13	0.34	0.36	1.14	1.63	2.53	3.85	4.71	7.82	—
Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
OCTOBER.	1	12.9	12.1	10.5	9.7	4.8	1.6	0.0	0.0	0.0	0.0	0.0	0.0	4.09
	2	10.5	12.1	12.1	9.7	4.8	1.6	0.8	0.0	0.8	0.0	0.0	0.0	3.38
	3	13.7	14.5	12.1	11.3	9.7	3.2	0.8	0.0	0.0	0.0	0.0	0.0	3.66
	4	14.5	16.9	13.7	9.7	4.0	0.8	1.6	0.0	0.0	0.0	0.8	0.0	3.89
	5	7.2	9.7	5.6	4.0	4.0	1.6	0.0	0.0	0.0	0.0	1.6	1.6	2.40
	6	3.2	5.6	4.8	6.4	4.8	0.8	0.0	0.0	0.0	0.0	1.6	1.6	2.23
	7	11.3	12.1	13.7	14.5	11.3	3.2	3.2	3.2	2.4	0.8	1.6	2.4	4.36
	8	5.6	12.1	14.5	13.7	8.9	4.8	1.6	0.0	0.0	0.0	1.6	1.6	3.55
	9	16.9	15.3	13.7	13.7	8.9	4.0	1.6	0.0	0.0	0.0	0.0	0.0	4.03
	10	14.5	15.3	13.7	9.7	8.0	4.8	1.6	0.8	0.0	0.0	0.0	0.0	3.95
	11	1.6	4.0	8.0	15.3	4.8	1.6	0.0	0.8	0.0	0.0	0.0	0.0	1.97
	12	6.4	11.3	16.9	19.3	16.1	9.7	8.0	2.4	0.0	0.0	6.0	0.0	5.13
	13	12.9	5.6	4.8	3.2	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.64
	14	3.2	6.4	8.9	7.2	6.4	6.4	2.4	0.0	0.0	0.0	0.0	0.0	2.14
	15	7.2	10.5	8.0	8.0	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.77
	16	11.3	12.9	10.5	8.0	4.8	4.8	1.6	0.8	0.0	0.0	0.0	0.0	3.08
	17	2.4	3.2	1.6	0.8	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.83
	18	3.2	4.0	4.8	6.4	8.0	2.4	0.0	0.0	0.0	0.0	0.0	0.0	1.73
	19	14.5	17.7	14.5	10.5	8.0	3.2	0.8	0.0	0.0	0.0	0.0	0.0	4.70
	20	8.0	6.4	8.9	7.2	1.6	1.6	3.2	0.8	0.8	0.8	0.0	0.0	2.10
	21	11.3	8.0	9.7	9.7	3.2	0.8	0.0	0.0	0.0	0.0	0.0	0.0	2.45
	22	12.1	13.7	8.9	5.6	1.6	1.6	0.8	0.0	0.0	0.8	0.0	0.0	2.68
	23	4.0	9.7	8.0	9.7	14.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.45
	24	9.7	9.7	9.7	3.2	3.2	6.4	3.2	0.0	0.0	0.0	0.0	0.0	2.51
	25	12.9	12.1	14.5	6.4	6.4	9.7	7.2	7.2	0.8	0.0	0.0	0.0	4.90
	26	12.1	11.3	6.4	6.4	5.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0	3.08
	27	9.7	10.5	9.7	13.7	9.7	1.6	0.0	1.6	2.4	0.0	0.0	0.0	3.52
	28	12.9	9.7	3.2	4.8	3.2	4.8	3.2	1.6	0.8	0.0	0.0	0.8	2.55
	29	15.3	13.7	11.3	4.8	2.4	0.8	0.8	4.8	0.8	0.0	0.0	0.8	3.65
	30	13.7	13.7	12.9	6.4	1.6	6.4	0.8	0.8	0.0	0.0	0.0	0.8	3.78
	31	13.7	11.3	8.0	6.4	4.0	3.2	2.4	0.8	0.0	0.0	0.0	0.0	3.21
Hourly Means.		9.95	10.68	9.79	8.56	5.73	3.00	1.47	0.83	0.28	0.08	0.23	0.31	3.08

CLOUDS.													
CLEAR = 0. — OVERCAST = 10.													
Mean Batavia Time.	1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
OCTOBER.	1	7	4	2	3	3	4	1	1	3	4	4	—
	2	3	3	4	2	5	6	2	1	4	5	7	—
	3	2	1	1	1	2	4	6	6	5	5	7	—
	4	6	8	6	6	6	4	4	3	4	4	5	—
	5	8	8	9	8	6	5	2	1	1	6	6	—
	6	9	9	7	7	10	8	9	10	10	10	10	—
	7	9	9	7	6	6	8	8	10	8	9	10	—
	8	7	9	10	6	3	4	6	5	7	5	5	—
	9	10	7	6	6	6	5	3	4	3	7	7	—
	10	7	7	4	6	10	6	2	1	0	2	1	—
	11	9	8	6	6	7	8	4	4	6	10	10	—
	12	10	9	7	7	10	9	7	1	2	3	7	—
	13	3	9	7	8	10	9	8	10	9	7	9	—
	14	6	7	8	7	10	7	10	10	10	10	10	—
	15	10	8	9	10	10	6	8	9	6	6	7	—
	16	2	1	2	1	1	2	3	3	2	4	4	—
	17	5	8	9	10	10	10	10	10	10	10	10	—
	18	9	8	3	9	8	6	9	8	6	7	9	—
	19	2	2	3	3	3	6	2	3	5	7	5	—
	20	3	2	2	2	3	2	1	4	6	7	6	—
	21	2	2	1	1	2	3	7	6	4	4	5	—
	22	3	3	2	3	3	4	2	1	2	6	8	—
	23	1	2	2	4	4	6	7	6	5	5	5	—
	24	9	6	5	4	6	6	3	4	7	10	10	—
	25	5	3	3	4	7	9	7	6	7	8	3	—
	26	5	3	3	3	4	4	3	5	7	10	10	—
	27	7	5	3	5	6	7	4	4	7	6	7	—
	28	1	3	2	1	2	4	6	8	9	9	9	—
	29	9	10	6	6	6	5	3	3	5	4	7	—
	30	5	4	3	3	3	6	5	8	7	5	6	—
	31	8	4	5	4	9	9	8	9	9	8	8	—
Hourly Means.	5.9	5.5	4.7	4.9	5.8	6.0	5.1	5.1	5.5	6.2	6.6	6.9	—
Mean Batavia Time.	1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
OCTOBER.	1	1	1	1	1	2	10	9	9	7	4	2	3.7
	2	3	4	2	2	3	8	10	10	6	10	10	4.9
	3	3	3	6	5	7	6	9	9	9	5	8	5.1
	4	3	2	6	5	4	6	10	10	10	10	7	6.0
	5	7	6	8	7	6	7	10	10	7	7	9	6.3
	6	8	8	7	7	8	9	10	9	10	10	10	9.0
	7	10	5	4	4	4	10	10	10	6	10	10	8.0
	8	7	7	6	7	8	9	10	10	9	10	10	7.4
	9	5	5	3	6	6	4	2	8	8	8	7	5.9
	10	2	3	3	2	3	7	6	7	9	10	9	5.1
	11	10	7	6	8	10	10	10	10	7	7	10	8.0
	12	10	8	8	4	4	8	10	9	7	6	6	6.7
	13	8	10	10	10	10	10	10	10	10	10	10	9.0
	14	9	9	9	10	10	10	10	8	9	10	10	9.1
	15	8	6	4	10	4	7	7	5	5	6	5	7.0
	16	6	4	3	2	6	10	9	9	8	8	10	4.6
	17	10	10	10	10	10	10	6	6	9	5	4	8.7
	18	8	7	3	6	6	6	5	3	3	2	2	6.0
	19	3	3	5	5	6	3	4	6	6	2	3	4.0
	20	8	10	3	2	2	4	9	7	9	9	5	5.0
	21	7	6	4	7	7	8	1	1	0	0	0	3.4
	22	8	6	6	7	9	6	5	4	3	3	4	4.4
	23	6	9	10	10	10	10	8	7	4	8	10	6.3
	24	7	9	7	9	10	10	10	10	10	8	7	7.5
	25	3	2	5	10	10	10	10	10	10	10	10	6.9
	26	7	8	6	8	10	10	9	6	3	1	1	5.6
	27	8	6	6	9	10	10	10	8	7	6	6	6.8
	28	7	10	10	8	10	10	8	10	8	7	10	6.9
	29	5	7	9	9	9	6	9	6	4	4	3	6.1
	30	7	6	8	7	8	9	7	9	10	9	7	6.6
	31	5	6	8	10	10	10	10	2	2	3	3	7.0
Hourly Means.	6.4	6.2	6.0	6.7	7.1	8.0	7.9	8.1	7.5	6.7	6.7	6.7	6.3

ATMOSPHERIC ELECTRICITY.
IN VOLTS. — P. N. = POSITIVE OR NEGATIVE OUT OF SCALE.

Mean Batavia Time.		1 A.M.	2	3	4	5	6	7	8	9	10	11	12	—
OCTOBER.	1	6.7	6.3	6.0	5.9	5.4	2.5	4.6	2.6	0.7	0.3	—1.6	— 2.3	—
	2	10.7	8.7	9.0	6.1	5.6	5.0	8.5	3.7	1.1	— 2.8	—0.4	— 6.7	—
	3	6.8	7.1	9.4	9.9	13.1	11.1	8.7	8.3	—0.8	— 0.4	—2.7	— 1.8	—
	4	6.3	7.8	5.9	6.3	5.5	4.2	2.0	1.1	0.9	— 0.4	—5.8	— 7.1	—
	5	7.0	5.9	5.5	3.9	2.9	1.3	— 0.2	— 1.7	—2.1	— 1.4	— 1.1	— 3.2	—
	6	4.7	4.8	4.3	4.0	4.1	1.5	1.8	2.4	2.4	— 0.4	0.8	— 0.2	—
	7	6.5	7.1	4.9	4.9	5.6	0.9	1.1	0.0	—1.3	— 4.1	—2.4	—11.8	—
	8	5.9	5.3	6.3	7.0	9.9	7.7	1.9	3.0	3.3	— 0.4	2.6	0.4	—
	9	14.4	9.6	7.7	6.1	5.9	5.9	5.9	1.5	2.0	0.8	—0.5	1.5	—
	10	7.6	10.0	8.1	12.2	— 3.7	18.5	13.1	—	—	—	—	—	—
	11	—	—	—	—	—	—	—	4.4	1.0	1.0	—0.9	2.7	—
	12	11.0	11.9	16.0	10.2	7.3	8.7	10.6	7.9	6.6	4.5	3.3	1.5	—
	13	—	—	—	—	—	—	—	4.1	6.9	11.4	8.8	0.8	—
	14	12.3	10.6	5.5	6.8	6.7	4.8	10.2	6.7	8.8	6.7	6.4	5.5	—
	15	12.2	12.6	11.4	11.0	13.7	11.1	21.2	23.5	5.0	1.2	2.6	2.3	—
	16	—	—	—	—	—	12.9	12.9	5.5	2.3	2.1	2.3	2.3	—
	17	6.7	7.6	4.8	4.8	—	—	—	—	—	—	—	11.8	—
	18	16.8	15.7	20.7	20.7	14.9	14.2	12.9	6.5	1.9	0.5	2.8	1.9	—
	19	9.9	13.6	13.9	9.8	9.5	20.2	10.6	3.7	3.5	3.5	2.3	2.5	—
	20	8.7	8.4	12.9	10.3	7.7	12.9	9.3	4.9	0.8	0.5	0.9	— 0.1	—
	21	10.5	7.6	7.9	8.3	8.8	14.7	17.9	7.9	3.5	0.6	1.8	2.0	—
	22	—	—	—	—	—	—	—	4.2	2.2	1.9	—0.3	1.9	—
	23	10.6	9.5	9.7	12.9	13.8	19.0	11.8	4.8	2.7	1.9	3.5	3.9	—
	24	16.4	17.7	13.9	13.2	10.9	11.6	9.5	6.8	1.1	3.0	2.7	2.4	—
	25	13.8	14.7	11.3	11.0	11.2	12.6	15.3	9.6	2.7	0.5	2.4	3.3	—
	26	11.9	14.1	17.3	P.	P.	P.	P.	4.7	3.5	4.1	7.2	1.1	—
	27	—	—	—	—	—	—	—	7.6	2.7	3.2	2.9	3.2	—
	28	10.9	11.4	12.2	9.5	13.7	17.0	12.1	5.5	2.9	1.9	0.7	N.	—
	29	12.6	9.4	7.2	6.6	9.8	12.2	9.9	3.9	1.1	1.6	2.3	2.7	—
	30	7.2	5.0	7.0	4.8	8.7	14.5	10.3	4.1	2.3	1.4	1.5	2.8	—
	31	5.9	5.8	4.8	5.9	6.7	7.6	8.3	3.0	3.2	4.1	3.4	1.9	—
Hourly Means.		9.8	9.5	9.4	8.5	8.2	10.1	9.2	5.2	2.4	1.6	1.6	0.9	—
Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
OCTOBER.	1	— 4.1	— 6.1	— 1.8	— 7.9	— 1.6	— 0.9	4.4	— 3.7	6.6	10.6	11.4	8.3	2.2
	2	— 4.7	— 3.6	— 6.8	— 9.6	— 5.7	— 3.1	2.3	0.0	5.1	4.7	7.1	6.0	1.7
	3	— 4.7	— 3.2	— 4.9	— 9.1	— 4.7	— 0.6	2.7	1.7	2.7	4.5	7.1	9.1	2.9
	4	—15.7	—16.3	— 9.2	— 7.1	— 3.4	— 1.8	1.9	3.5	5.9	2.3	4.4	3.4	—0.2
	5	— 6.3	— 3.0	— 5.5	— 4.8	— 3.2	— 0.6	2.9	0.5	2.4	3.7	3.6	4.5	0.5
	6	— 4.0	— 0.9	— 6.4	— 2.4	— 2.9	0.0	4.4	6.4	7.6	7.1	8.6	5.1	2.5
	7	— 5.1	— 2.1	— 8.8	— 7.4	— 5.9	— 5.9	—11.4	10.6	2.7	5.4	4.8	5.7	—0.3
	8	2.1	— 3.9	— 8.7	—12.4	— 4.9	— 2.2	3.1	3.7	4.6	10.8	15.9	9.7	2.9
	9	—12.3	— 3.7	— 8.3	— 9.3	— 3.4	1.1	4.7	3.2	14.6	12.6	6.2	6.1	3.0
	10	—	—	—	—	—	—	—	—	—	—	—	—	9.4
	11	N.	10.0	5.3	— 1.0	18.1	9.0	7.1	4.8	5.9	8.7	21.5	18.5	7.3
	12	— 0.6	— 7.3	— 2.8	— 5.5	— 1.2	2.2	4.3	5.8	5.7	3.8	—	—	4.7
	13	0.3	N.	14.7	11.8	4.7	4.6	5.5	5.0	7.9	5.4	8.3	11.4	7.0
	14	5.3	5.3	5.9	7.5	17.9	21.2	20.8	0.0	9.4	11.7	15.3	13.3	9.4
	15	— 0.6	0.6	1.8	N.	—	—	—	—	—	—	—	—	8.6
	16	1.7	1.7	2.1	2.9	N.	P.	N.	5.7	6.6	7.4	6.9	6.0	5.1
	17	6.3	7.1	6.3	6.1	7.9	9.7	9.7	18.7	11.4	8.7	14.1	17.5	9.4
	18	5.2	2.9	3.7	3.2	4.8	5.4	8.7	10.0	11.3	16.2	15.3	11.5	9.5
	19	3.0	2.5	3.2	2.5	4.6	6.8	8.2	9.6	10.0	11.8	10.2	6.9	7.6
	20	N.	N.	3.2	6.0	11.4	15.9	1.1	3.9	8.9	7.7	7.9	8.6	6.9
	21	1.7	0.7	1.3	— 0.7	1.1	5.4	3.1	—	—	—	—	—	5.5
	22	5.7	0.0	— 0.8	0.8	N.	7.7	7.0	8.1	11.8	10.6	10.5	10.9	5.1
	23	4.7	5.2	N.	P.	N.	12.8	14.4	5.5	23.2	23.2	6.4	5.4	9.8
	24	3.0	4.1	5.1	P.	N.	P. N.	P.	N.	8.9	13.3	11.8	11.3	8.8
	25	2.9	3.5	7.4	P.	N.	P.	P.	P.	5.8	10.3	13.5	13.3	8.7
	26	6.6	6.8	3.9	6.5	N.	P.	1.9	14.4	12.1	15.7	—	—	8.2
	27	3.3	3.5	4.4	6.0	N.	13.7	17.7	13.7	11.0	13.0	11.4	11.3	8.0
	28	N.	P.	2.2	4.6	4.5	5.9	9.4	8.7	11.8	15.1	18.3	N.	8.9
	29	1.1	2.1	1.3	0.2	5.1	6.3	4.5	P.	5.5	6.6	8.3	7.1	5.5
	30	4.4	12.5	3.9	5.5	P.	P.	6.0	6.8	7.1	9.8	10.3	8.6	6.6
	31	2.3	7.8	12.9	P	—13.8	0.4	11.0	8.2	16.3	17.8	15.0	14.2	6.6
Hourly Means.		0.6	1.0	1.1	—0.5	1.4	4.7	6.0	6.2	8.7	9.9	10.5	9.3	5.5

BAROMETRIC PRESSURE.

BAROMETER AT 0°C = 750 MILLIMETRES + THE NUMBERS IN THE TABLE.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
N O V E M B E R.	1	7.76	7.54	7.19	7.06	7.31	7.54	8.06	8.43	8.89	8.92	8.63	8.03	—
	2	8.25	8.05	7.91	7.75	7.95	8.07	8.92	9.42	9.47	9.51	9.22	8.56	—
	3	8.20	7.90	7.42	7.50	7.82	8.25	8.62	8.89	8.84	8.60	8.30	7.55	—
	4	7.97	7.34	7.06	7.14	7.44	7.90	8.29	8.91	9.01	8.92	8.45	7.60	—
	5	7.85	7.23	6.74	6.79	7.13	7.54	8.01	8.35	8.25	8.24	8.02	7.29	—
	6	7.56	7.13	6.94	6.94	7.39	7.69	8.49	8.96	9.10	9.00	8.68	8.06	—
	7	7.82	7.54	7.26	7.19	7.28	7.71	8.26	8.76	8.91	8.54	8.35	7.45	—
	8	8.58	8.10	7.75	7.96	8.00	8.88	9.43	9.55	9.72	9.51	9.06	8.53	—
	9	8.12	7.87	7.52	7.60	7.92	8.20	8.90	9.22	9.40	9.41	9.34	8.46	—
	10	7.95	7.44	6.94	6.79	6.73	7.00	7.30	7.85	8.08	8.44	8.25	7.67	—
	11	8.07	8.02	7.96	7.93	8.40	8.81	9.18	9.55	9.77	9.66	9.12	8.41	—
	12	8.22	7.87	7.57	7.45	7.59	7.97	8.72	8.99	9.17	8.92	8.76	8.21	—
	13	8.27	7.79	7.77	7.91	8.02	8.47	8.85	9.15	9.32	9.21	8.98	8.46	—
	14	8.96	8.37	7.88	8.23	8.35	8.96	9.43	9.86	9.98	10.12	9.64	9.23	—
	15	9.47	9.19	8.99	8.97	9.17	9.64	9.81	9.98	10.21	9.66	9.17	8.46	—
	16	9.14	8.83	8.69	8.62	9.06	9.34	9.61	9.60	9.25	9.05	8.58	8.06	—
	17	8.37	8.42	8.36	8.59	8.71	8.91	9.63	9.75	9.86	9.58	8.93	8.06	—
	18	8.98	8.96	8.82	8.84	9.14	9.29	9.84	9.86	9.91	9.68	9.06	8.67	—
	19	8.96	8.88	8.79	8.87	9.09	9.47	9.97	10.08	10.18	9.78	9.09	8.56	—
	20	8.83	8.40	8.48	8.77	8.78	9.17	9.81	10.23	10.39	10.27	9.57	8.97	—
	21	9.19	8.93	8.97	8.94	8.81	9.27	10.07	10.77	10.77	10.50	9.67	8.89	—
	22	9.88	9.37	9.50	9.35	9.59	9.72	10.65	10.79	11.04	10.78	10.36	10.04	—
	23	9.98	9.42	9.13	8.97	8.96	9.49	10.14	10.28	10.26	10.19	9.82	9.15	—
	24	8.91	8.45	7.91	7.42	7.82	8.78	9.56	9.62	9.27	9.48	9.01	8.26	—
	25	8.07	7.51	7.29	7.19	7.34	7.85	8.26	8.66	8.43	8.46	8.07	7.26	—
	26	7.20	6.90	6.69	6.35	6.63	7.28	7.78	8.10	8.25	8.11	7.56	7.32	—
	27	7.31	7.03	6.48	6.25	6.32	6.90	7.65	7.80	7.85	7.75	7.41	6.99	—
	28	7.20	6.52	6.23	5.99	6.17	6.52	6.99	7.52	7.69	7.68	7.31	6.53	—
	29	6.60	6.37	6.10	6.23	6.24	6.49	7.22	7.47	7.74	7.63	7.25	6.86	—
	30	7.10	6.58	6.50	6.30	6.32	6.52	6.74	6.98	7.34	7.43	7.23	6.25	—
Hourly Means.		8.29	7.93	7.69	7.66	7.85	8.25	8.81	9.11	9.21	9.10	8.70	8.06	—
Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
N O V E M B E R.	1	7.56	7.05	6.88	7.11	7.30	7.97	8.26	8.45	8.57	8.97	9.00	8.76	7.97
	2	7.58	7.20	6.81	6.81	7.30	7.69	8.06	8.55	8.82	9.13	9.23	8.83	8.30
	3	6.75	6.21	5.56	6.32	6.85	7.76	8.21	9.42	9.66	9.41	9.16	8.68	8.00
	4	6.77	5.98	5.49	5.39	6.44	7.23	8.26	8.83	8.72	8.80	8.62	8.32	7.70
	5	6.60	6.11	6.01	6.30	7.07	7.20	7.32	7.76	8.54	8.65	8.29	7.92	7.47
	6	7.12	6.39	6.20	6.50	6.80	7.28	7.62	7.97	8.34	8.65	8.65	7.97	7.73
	7	7.00	6.57	6.32	5.96	6.54	7.36	7.88	8.35	8.87	9.13	9.28	8.98	7.80
	8	7.56	6.75	6.35	6.83	7.20	7.97	8.89	9.06	9.48	9.89	9.48	8.88	8.48
	9	7.94	8.02	7.69	7.62	7.78	7.71	8.08	8.35	8.87	9.13	9.13	8.66	8.37
	10	6.97	6.11	5.99	6.61	6.60	7.41	8.33	8.66	9.11	9.43	9.31	8.93	7.66
	11	7.51	6.62	5.96	6.17	6.62	7.23	7.57	8.17	8.46	8.60	8.75	8.52	8.13
	12	7.71	7.17	6.66	6.76	7.00	7.34	7.77	8.35	8.77	9.05	9.02	8.88	8.08
	13	7.97	7.15	6.83	6.76	6.97	7.66	8.16	8.81	9.53	9.78	9.76	9.52	8.38
	14	8.73	8.27	7.88	7.47	7.76	8.55	9.18	10.00	10.65	10.73	10.55	10.20	9.12
	15	7.71	7.00	6.37	6.83	7.20	7.76	8.48	9.06	9.56	9.92	9.73	9.49	8.83
	16	7.46	7.00	6.61	6.55	6.90	7.36	8.21	8.66	8.87	9.21	9.21	8.73	8.44
	17	7.48	7.00	6.86	6.88	7.33	8.42	8.74	9.12	9.66	9.71	9.58	9.62	8.65
	18	8.22	7.41	7.18	7.21	7.48	8.30	8.72	9.34	9.78	9.87	9.53	9.14	8.88
	19	7.99	7.43	6.91	7.11	7.22	7.34	8.16	8.96	9.56	9.76	9.81	9.27	8.80
	20	8.07	7.36	6.76	6.35	6.80	7.54	8.46	9.39	9.76	9.92	9.87	9.54	8.81
	21	8.24	7.81	7.74	7.67	8.57	9.27	10.01	10.28	10.68	10.88	10.73	10.30	9.46
	22	9.14	8.07	7.98	8.99	8.78	9.52	10.40	10.54	10.83	11.08	11.08	10.54	9.92
	23	8.22	7.38	6.98	7.72	8.52	9.03	9.65	9.93	9.99	9.99	9.99	9.62	9.28
	24	7.53	6.75	6.40	7.01	7.27	7.61	8.26	8.40	8.51	9.11	9.26	8.78	8.31
	25	6.62	5.75	5.59	6.12	6.57	7.28	7.62	8.07	8.09	8.11	7.94	7.54	7.49
	26	6.65	5.38	5.10	5.10	5.48	6.27	6.81	7.08	7.75	7.73	7.89	7.59	6.96
	27	6.24	5.60	5.56	5.49	5.60	6.09	6.71	7.41	7.68	7.81	7.73	7.46	6.88
	28	6.21	5.69	5.51	5.54	5.75	6.22	6.71	6.93	7.50	7.78	7.50	7.10	6.72
	29	5.98	5.43	4.83	4.98	5.78	6.07	6.66	7.61	7.84	7.94	7.86	7.49	6.69
	30	5.35	5.04	4.57	4.52	4.89	5.41	6.10	6.49	7.07	7.35	7.04	6.58	6.32
Hourly Means.		7.36	6.74	6.39	6.56	6.95	7.53	8.11	8.60	8.98	9.18	9.10	8.73	8.12

STANDARD THERMOMETER.

Mean Batavia Time.		1 A.M.	2	3	4	5	6	7	8	9	10	11	12	---
NOVEMBER.	1	74.0	73.8	73.0	73.0	73.0	73.2	74.2	76.9	79.7	81.9	83.6	85.1	—
	2	74.7	74.7	75.0	75.0	74.5	74.5	75.2	77.0	79.0	80.0	81.1	82.7	—
	3	77.1	76.9	76.4	76.0	75.2	75.0	76.3	80.0	82.0	84.3	86.0	85.8	—
	4	74.6	74.2	74.2	74.2	74.0	74.0	74.7	76.9	79.2	80.5	83.1	83.7	—
	5	74.9	74.7	74.6	74.9	74.5	74.2	75.0	78.0	80.9	81.7	82.8	83.0	—
	6	73.5	73.7	73.3	73.0	73.0	73.2	74.0	75.7	77.7	79.5	81.7	82.8	—
	7	75.5	75.1	74.5	74.4	74.4	74.1	75.0	77.2	79.8	82.0	84.2	86.8	—
	8	77.7	77.0	77.0	76.8	77.1	76.6	76.7	79.0	82.6	85.0	85.5	86.0	—
	9	75.1	75.0	74.8	74.0	74.0	74.0	74.9	76.8	78.7	81.0	82.7	85.0	—
	10	74.5	74.1	74.0	74.0	73.5	73.3	74.3	77.1	79.5	82.2	85.0	87.8	—
	11	75.0	74.6	74.3	74.3	74.2	75.0	75.5	76.9	78.0	79.5	80.9	81.9	—
	12	75.0	74.7	74.4	74.3	74.3	74.1	74.8	76.2	79.5	83.2	85.4	86.0	—
	13	75.1	74.5	74.0	73.6	73.6	73.4	75.5	79.0	81.2	83.6	85.4	87.0	—
	14	75.0	74.0	73.4	73.0	72.4	72.0	73.6	76.3	79.3	81.7	83.0	84.3	—
	15	75.1	74.6	74.1	73.8	73.5	73.3	74.5	77.0	80.0	83.8	87.0	87.8	—
	16	75.2	75.0	74.8	74.2	74.2	74.0	76.0	78.0	80.9	83.9	86.4	87.9	—
	17	76.0	75.2	74.9	74.5	74.4	74.4	75.7	77.5	80.5	82.6	86.4	88.4	—
	18	75.9	76.0	75.3	74.9	74.5	74.5	75.1	77.0	82.0	83.2	85.6	81.2	—
	19	74.9	74.2	74.0	73.9	73.4	73.3	75.0	79.3	82.9	85.6	86.6	88.3	—
	20	75.4	74.9	74.7	74.5	74.0	74.0	76.2	80.0	83.0	84.8	86.3	85.2	—
	21	78.0	77.8	77.0	76.2	75.2	75.0	75.9	78.3	82.0	83.7	85.8	86.7	—
	22	75.2	75.1	74.7	75.0	74.7	74.0	74.8	76.0	77.7	80.2	81.9	83.0	—
	23	73.6	73.6	73.8	73.3	72.5	72.4	74.0	76.9	80.0	83.0	85.0	85.6	—
	24	74.1	74.0	73.8	73.8	73.8	74.0	74.7	77.1	80.1	82.1	83.3	83.5	—
	25	74.8	74.4	74.4	74.2	74.2	74.3	75.0	76.9	79.9	81.8	84.2	84.8	—
	26	74.5	74.1	74.0	73.5	73.0	73.0	75.4	79.3	81.0	83.1	85.0	80.2	—
	27	75.4	75.0	74.5	74.1	74.0	73.8	75.2	78.0	82.0	82.0	83.0	84.0	—
	28	75.5	74.9	74.6	74.6	74.2	74.0	75.0	76.2	79.2	81.5	83.6	86.0	—
	29	75.1	75.0	74.6	74.0	74.0	73.5	74.7	77.6	80.7	82.0	83.1	84.5	—
	30	75.9	75.3	74.8	74.4	74.1	74.1	75.0	77.0	80.0	83.2	79.1	81.9	—
Hourly Means.		75.21	74.87	74.56	74.31	74.05	73.94	75.06	77.50	80.30	82.42	84.09	84.90	—
Mean Batavia Time.		1 P.M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
NOVEMBER.	1	85.4	85.0	85.0	84.7	83.7	80.7	75.9	75.5	74.7	74.5	74.7	74.7	78.16
	2	83.8	84.4	84.9	84.0	83.6	82.4	81.0	79.7	78.4	78.0	78.0	77.7	79.14
	3	85.0	82.8	83.6	83.0	83.0	75.0	74.7	74.3	74.5	74.2	74.5	74.7	78.76
	4	84.3	85.1	83.4	83.0	82.3	78.9	76.2	75.8	75.0	75.2	75.3	75.1	78.04
	5	81.5	81.5	81.5	78.6	75.5	74.6	74.0	74.2	74.4	74.3	74.0	74.0	76.97
	6	83.2	84.9	84.1	83.3	80.9	78.8	77.7	77.2	76.7	76.5	76.3	75.6	77.76
	7	87.0	86.5	86.0	85.6	84.8	83.1	81.7	80.3	79.3	78.8	78.4	78.2	80.11
	8	86.0	86.0	84.8	83.5	82.8	82.4	79.5	78.0	77.0	76.7	75.8	75.4	80.20
	9	84.6	81.0	76.9	75.5	75.8	75.1	75.0	75.0	74.8	74.5	74.5	74.4	76.80
	10	86.3	86.6	85.7	81.0	77.7	76.9	77.0	76.3	76.0	76.0	76.0	76.2	78.38
	11	82.0	82.0	82.0	81.5	80.6	79.4	78.5	77.7	77.0	76.2	75.8	75.4	77.84
	12	86.3	88.0	87.3	86.3	85.1	83.0	81.2	79.8	78.6	77.8	76.9	76.0	79.93
	13	88.0	89.0	89.0	88.2	86.0	83.9	82.2	80.5	79.4	78.0	76.9	76.0	80.54
	14	85.6	87.1	88.0	87.3	86.0	83.6	81.5	79.6	78.4	77.2	76.6	76.0	79.37
	15	88.2	90.2	88.3	79.0	77.9	77.9	78.3	78.1	78.0	78.0	77.0	76.0	79.23
	16	88.6	87.3	87.1	84.1	83.2	82.0	80.8	79.7	78.7	77.9	77.3	76.5	80.15
	17	87.5	87.0	85.6	84.9	83.9	80.0	78.2	77.5	76.8	76.4	76.0	76.0	79.60
	18	80.3	83.2	84.0	84.0	83.0	82.0	80.4	79.2	77.5	76.5	76.0	75.2	79.02
	19	87.0	87.0	86.1	85.0	84.2	83.1	81.7	80.4	79.2	78.0	77.0	76.2	80.26
	20	86.4	86.0	86.1	85.6	84.6	83.5	83.0	81.5	80.2	79.5	78.4	78.6	80.68
	21	85.9	84.2	80.3	80.0	77.0	76.6	75.5	75.0	74.7	74.9	74.7	75.2	78.57
	22	83.0	84.4	84.3	74.8	73.3	73.8	74.7	74.5	74.7	74.8	74.5	74.2	76.80
	23	85.8	85.5	84.8	74.8	76.1	76.0	75.1	74.3	74.6	74.5	74.4	74.3	77.25
	24	84.5	84.5	83.1	78.6	77.0	76.8	76.2	76.0	76.0	75.6	75.4	75.0	77.63
	25	84.9	85.0	84.1	82.7	82.4	79.1	77.1	76.2	76.1	76.0	75.5	75.0	78.46
	26	84.5	82.9	81.9	82.1	81.7	80.9	79.5	78.0	77.6	76.9	76.5	75.6	78.51
	27	82.8	82.4	82.2	81.2	80.4	79.1	78.4	77.7	77.2	76.9	76.7	76.0	78.42
	28	83.7	78.2	77.7	78.0	78.5	78.0	77.4	76.8	76.6	76.0	75.9	75.4	77.56
	29	85.3	85.1	84.0	83.2	82.5	81.9	80.3	79.0	78.0	77.0	76.3	76.3	79.07
	30	84.0	83.6	82.7	81.3	80.6	79.5	79.1	78.2	77.9	77.6	77.2	77.0	78.48
Hourly Means.		85.05	84.88	84.15	82.16	81.14	79.60	78.39	77.53	76.93	76.48	76.08	75.73	78.72

RELATIVE HUMIDITY OF THE AIR.

SATURATION = 1000.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
NOVEMBER.	1	938	938	955	946	946	946	939	858	765	714	686	671	—
	2	947	947	956	956	973	973	957	925	870	848	783	745	—
	3	924	924	940	940	948	939	916	840	771	715	650	675	—
	4	947	956	956	956	956	956	956	867	824	775	712	714	—
	5	947	956	965	947	956	956	930	814	769	757	703	739	—
	6	956	947	956	964	964	965	947	923	860	802	763	703	—
	7	914	930	947	947	939	947	930	875	810	722	649	621	—
	8	907	932	924	906	900	916	916	838	745	670	679	641	—
	9	914	922	922	938	947	947	922	891	847	783	752	652	—
	10	956	965	965	956	965	965	956	875	817	729	671	614	—
	11	914	922	930	921	921	897	840	818	813	786	775	750	—
	12	897	897	913	896	904	912	913	890	765	671	621	617	—
	13	871	888	895	903	903	903	824	740	698	646	603	556	—
	14	871	903	894	902	910	919	886	810	713	728	657	611	—
	15	863	871	878	887	894	903	879	818	743	646	597	553	—
	16	888	880	879	904	904	904	856	806	733	680	638	583	—
	17	856	872	871	896	896	881	836	753	690	619	550	550	—
	18	889	889	905	913	930	930	939	900	757	719	653	769	—
	19	913	930	938	929	946	946	897	729	703	611	567	579	—
	20	922	930	922	930	947	947	890	818	724	644	637	665	—
	21	892	884	900	915	922	914	915	861	785	713	673	639	—
	22	914	914	922	904	921	921	922	899	860	797	750	718	—
	23	973	973	965	965	964	973	956	907	811	732	690	687	—
	24	956	965	965	965	965	956	956	907	834	751	713	713	—
	25	947	956	965	965	965	965	956	875	818	749	688	644	—
	26	947	947	947	956	955	946	880	794	790	704	639	841	—
	27	914	930	947	956	930	929	922	837	764	771	746	673	—
	28	922	930	930	930	956	947	956	931	832	770	734	641	—
	29	939	947	947	956	947	946	904	900	783	736	739	624	—
	30	906	922	930	939	947	947	922	891	774	712	839	799	—
Hourly Means.		918	926	931	933	937	937	915	856	784	726	688	666	—
Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
NOVEMBER.	1	679	752	800	771	840	865	948	922	930	930	947	947	860
	2	706	729	744	791	790	823	820	863	901	908	908	917	866
	3	717	774	748	767	774	913	939	947	956	965	965	956	858
	4	722	710	767	766	800	831	915	923	947	957	948	947	867
	5	756	784	784	815	914	930	930	938	947	947	956	947	879
	6	753	703	673	657	775	830	859	875	891	865	899	923	852
	7	585	613	617	640	663	732	792	856	878	893	901	901	804
	8	624	630	670	734	745	765	809	820	851	874	898	905	804
	9	729	755	916	931	923	939	939	939	947	965	947	956	888
	10	670	652	668	739	884	907	924	931	931	931	940	940	856
	11	750	714	764	756	804	823	846	860	875	890	898	889	840
	12	619	542	629	643	665	703	739	765	791	812	833	856	771
	13	583	558	575	608	624	665	708	737	764	813	826	856	739
	14	591	568	547	586	647	678	726	749	783	804	810	833	755
	15	561	498	610	778	892	868	791	791	798	789	850	864	776
	16	545	622	641	640	732	749	753	780	792	806	819	842	766
	17	594	610	647	677	700	787	852	875	874	882	881	889	787
	18	774	739	694	700	731	771	842	878	844	874	898	922	828
	19	639	639	662	683	707	766	813	856	863	860	883	899	790
	20	638	630	624	641	636	685	733	783	834	855	885	877	783
	21	700	728	864	927	882	899	897	888	904	939	947	922	855
	22	718	716	708	879	937	938	930	947	947	956	965	965	877
	23	713	679	696	904	899	906	922	939	939	947	947	965	877
	24	723	723	767	837	882	890	915	923	923	940	948	947	878
	25	645	665	688	724	759	831	858	881	899	905	930	939	842
	26	722	745	777	807	799	850	894	836	860	883	882	923	847
	27	731	772	778	783	834	863	869	867	900	907	906	915	852
	28	713	845	925	958	926	901	925	907	932	931	940	931	888
	29	621	672	720	746	751	777	834	862	852	875	874	882	826
	30	688	700	738	784	805	817	863	893	907	916	924	907	853
Hourly Means.		674	682	715	756	791	823	853	868	882	894	905	912	832

DIRECTION OF THE WIND.

Mean Batavia Time.	1 A. M.	2	3	4	5	6	7	8	9	10	11	12
NOVEMBER.	1	C	C	C	C	C	SW	SW	SW	SSE	S	E
	2	S	C	C	C	S	C	C	S	E	E	ESE
	3	C	C	C	C	C	C	E	S	WSW	S	N
	4	C	C	C	C	C	C	SSE	SSE	NW	NNW	NNW
	5	C	S	S	SSW	C	SSW	SSW	C	SSW	SW	NNE
	6	C	C	C	C	C	C	SSW	SSW	SSW	SW	ESE
	7	C	C	C	C	C	WSW	WSW	WSW	WSW	SSW	ESE
	8	C	C	C	NNE	NE	NE	ENE	SE	ESE	NE	NNE
	9	C	C	C	C	C	C	SSW	WSW	W	NW	NNW
	10	C	C	SW	SW	C	SW	WSW	WSW	W	NNW	NNW
	11	W	W	WNW	W	W	W	WSW	WSW	WNW	WNW	WSW
	12	NW	NW	WNW	WNW	WNW	WNW	WNW	W	SW	SSW	W
	13	W	W	W	C	W	W	WNW	WSW	SW	W	WNW
	14	W	W	W	W	W	C	W	W	WSW	WNW	WNW
	15	W	W	W	C	C	C	W	NNW	NW	SSW	SSW
	16	C	C	C	C	SSW	WNW	WNW	WNW	W	WSW	WSW
	17	WNW	WNW	WNW	WNW	WNW	WNW	W	WNW	NW	NW	SW
	18	C	SSW	SSW	SSW	C	C	C	E	E	ENE	ENE
	19	NNE	NNE	NNE	NNE	C	NNE	C	ESE	ESE	ENE	NNE
	20	N	C	N	N	N	N	N	SW	NNW	N	N
	21	C	NNW	NNW	C	C	NNW	NNW	NNW	NNW	WSW	SSE
	22	SW	C	SW	SW	WSW	WSW	SW	C	SW	SW	NNE
	23	C	C	C	C	C	C	SW	SW	W	WNW	NE
	24	SE	SE	C	C	SE	SE	S	SSW	NNW	NNE	N
	25	C	SSW	SSW	SSW	SSW	SSW	SSW	ESE	E	E	NNE
	26	C	C	C	S	C	S	S	ESE	ENE	ESE	E
	27	C	C	C	C	C	C	NNE	NNE	NE	NNE	N
	28	C	C	C	C	C	WNW	WNW	W	WNW	NW	NNW
	29	C	C	C	C	C	W	WSW	WSW	W	NNW	NNE
	30	C	C	C	C	C	C	SSW	SSW	WSW	SSW	ESE

Mean Batavia Time.	1 P. M.	2	3	4	5	6	7	8	9	10	11	12
NOVEMBER.	1	NNE	NE	N	NE	N	S	S	C	C	C	C
	2	ESE	E	E	E	E	E	E	C	C	C	C
	3	N	NNE	N	N	N	SSW	SW	E	C	C	C
	4	NNE	NNE	NNE	NNE	NNW	WSW	S	SSE	S	C	S
	5	N	N	NNE	WSW	WSW	SW	SW	SSW	C	C	C
	6	ESE	ENE	NNE	N	W	W	WSW	C	C	C	C
	7	E	NNE	NNE	NE	NNE	NNE	C	C	C	C	C
	8	NNE	NNE	NNE	NNE	N	NW	SW	SSW	SSW	SSW	C
	9	NNE	WSW	WSW	SW	SW	C	C	C	SW	C	C
	10	NNE	NNE	N	WSW	WSW	WSW	C	WSW	WSW	WSW	W
	11	SSW	SW	WSW	WSW	NW	NW	NW	NW	NW	NW	NW
	12	WSW	SSW	NNE	NW	WNW	WNW	WNW	W	W	W	W
	13	NW	WNW	WNW	WNW	SW	W	W	W	W	W	W
	14	NW	SW	WSW	NNW	WNW	WNW	W	WNW	W	W	W
	15	WSW	WNW	NNW	SW	SW	SW	SW	SSW	SSW	C	SSW
	16	WNW	NNE	N	NW	WSW	W	WNW	NW	WNW	WNW	WNW
	17	NNE	NNW	NNE	NNE	N	SSW	SW	SSW	SSW	SSW	C
	18	E	NNE	NNE	NE	N	NNE	C	NNE	NNE	NNE	NNE
	19	NE	NNE	NNE	NNE	NNE	N	C	N	N	N	C
	20	NE	NNE	NNE	NNE	N	NNW	NNW	NNW	C	C	C
	21	NNE	NNE	NNW	NW	SW	SSW	SSE	SE	C	SE	S
	22	NE	NNE	N	WSW	WSW	SW	SW	SW	C	SW	C
	23	NNW	N	NNE	WNW	NE	SE	SE	SE	SE	SE	SE
	24	NNE	NNE	NNW	SSW	SW	SSW	SSW	SSW	C	SSW	SSW
	25	NE	E	NE	NE	NE	SSW	SSW	S	S	C	C
	26	E	ENE	NNE	NNE	NNW	C	NNW	NNE	C	C	C
	27	NNW	NNW	NNW	NW	WNW	WNW	WNW	C	C	C	WNW
	28	N	W	W	W	W	W	C	C	C	C	C
	29	NE	ENE	N	NNE	N	N	N	SSW	SSW	SSW	C
	30	NE	NNE	N	NW	NW	W	W	C	C	W	C

VELOCITY OF THE WIND IN KILOMETERS PER HOUR.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
NOVEMBER.	1	0.0	0.0	0.0	0.0	0.0	0.0	2.4	2.4	3.2	4.0	5.6	6.4	—
	2	0.8	0.0	0.0	0.0	0.8	0.0	0.0	0.8	5.6	7.2	9.7	12.1	—
	3	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.6	2.4	2.4	4.8	6.4	—
	4	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.6	3.2	2.4	3.2	4.0	—
	5	0.0	0.8	1.6	0.8	0.0	0.8	1.6	0.0	1.6	1.6	4.0	9.7	—
	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	2.4	3.2	2.4	1.6	—
	7	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	3.2	5.6	3.2	4.0	—
	8	0.0	0.0	0.0	0.8	2.4	1.6	1.6	4.0	4.0	6.4	4.8	8.9	—
	9	0.0	0.0	0.0	0.0	0.0	0.0	1.6	3.2	2.4	4.8	5.6	8.0	—
	10	0.0	0.0	1.6	1.6	0.0	0.8	1.6	2.4	3.2	5.6	6.4	4.8	—
	11	1.6	1.6	3.2	0.8	1.6	6.4	6.4	4.0	4.8	4.0	3.2	4.0	—
	12	0.8	1.6	1.6	1.6	0.8	0.8	1.6	0.8	8.9	13.7	8.0	4.0	—
	13	1.6	1.6	0.8	0.0	0.8	1.6	3.2	5.6	8.9	8.0	6.4	6.4	—
	14	0.8	0.8	1.6	1.6	1.6	0.0	1.6	2.4	4.0	3.2	3.2	3.2	—
	15	1.6	1.6	0.8	0.0	0.0	0.0	2.4	3.2	4.8	5.6	9.7	13.7	—
	16	0.0	0.0	0.0	0.0	0.8	3.2	1.6	2.4	4.8	6.4	5.6	5.6	—
	17	0.8	0.8	1.6	1.6	1.6	2.4	2.4	1.6	2.4	4.8	4.8	4.8	—
	18	0.0	0.8	2.4	1.6	0.0	0.0	0.0	0.0	4.8	8.9	11.3	13.7	—
	19	0.8	1.6	1.6	0.8	0.0	1.6	0.0	1.6	6.4	8.0	9.7	10.5	—
	20	0.8	0.0	0.8	0.8	1.6	1.6	2.4	2.4	4.0	4.8	6.4	5.6	—
	21	0.0	0.8	1.6	0.0	0.0	0.8	0.8	0.0	3.2	4.0	4.8	4.8	—
	22	0.8	0.0	1.6	1.6	0.0	0.8	2.4	0.0	1.6	2.4	3.2	7.2	—
	23	0.0	0.0	0.0	0.0	0.0	0.0	1.6	2.4	4.0	3.2	5.6	9.7	—
	24	0.8	0.8	0.0	0.0	0.8	1.6	0.8	2.4	4.0	4.8	9.7	12.9	—
	25	0.0	0.8	1.6	0.8	0.8	0.8	0.8	1.6	6.4	6.4	7.2	11.3	—
	26	0.0	0.0	0.0	0.8	0.0	1.6	2.4	3.2	4.8	6.4	9.7	10.5	—
	27	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.6	2.4	4.0	7.2	8.9	—
	28	0.0	0.0	0.0	0.0	0.0	0.8	1.6	1.6	4.8	4.8	4.8	8.0	—
	29	0.0	0.0	0.0	0.0	0.0	0.8	2.4	1.6	2.4	3.2	7.2	10.5	—
	30	0.0	0.0	0.0	0.0	0.0	0.0	1.6	0.8	3.2	4.0	6.4	4.8	—
Hourly Means.		0.37	0.45	0.75	0.51	0.45	0.96	1.60	1.92	4.06	5.13	6.13	7.53	—
Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
NOVEMBER.	1	13.7	12.9	12.1	8.9	3.2	9.7	4.0	0.0	0.0	0.0	0.0	0.0	3.69
	2	12.9	13.7	12.9	9.7	5.6	5.6	1.6	0.0	0.0	0.0	0.0	0.0	4.13
	3	14.5	11.3	12.1	8.0	9.7	8.9	2.4	3.2	0.0	1.6	0.0	0.0	3.75
	4	8.9	11.3	12.9	10.5	6.4	7.2	8.0	3.2	3.2	0.8	0.0	0.8	3.68
	5	8.0	8.9	8.0	6.4	3.2	3.2	2.4	0.8	0.0	0.0	0.0	0.0	2.64
	6	3.2	5.6	6.4	6.4	3.2	1.6	0.8	0.0	0.0	0.0	0.0	0.0	1.60
	7	4.8	9.7	12.9	9.7	6.4	1.6	0.0	0.0	0.0	0.0	0.0	0.0	2.65
	8	12.1	14.5	14.5	9.7	5.6	3.2	8.0	4.8	0.8	0.8	0.8	0.0	4.55
	9	12.1	11.3	4.0	4.8	1.6	0.0	0.0	0.0	0.0	0.8	0.0	0.0	2.51
	10	7.2	10.5	9.7	4.8	2.4	0.8	0.0	1.6	0.8	0.8	0.8	2.4	2.91
	11	7.2	6.4	0.8	3.2	4.0	2.4	2.4	2.4	2.4	1.6	0.8	0.8	3.17
	12	3.2	4.8	7.2	8.9	4.0	4.8	4.8	3.2	3.2	1.6	1.6	1.6	3.88
	13	7.2	6.4	5.6	4.8	4.8	2.4	1.6	1.6	1.6	1.6	1.6	1.6	3.57
	14	3.2	3.2	3.2	6.4	4.8	4.0	3.2	3.2	3.2	1.6	1.6	0.8	2.60
	15	7.2	7.2	11.3	6.4	2.4	5.6	9.7	8.0	6.4	4.0	0.0	0.8	4.68
	16	4.8	8.9	9.7	4.8	1.6	2.4	2.4	3.2	1.6	1.6	2.4	1.6	3.14
	17	10.5	14.5	14.5	10.5	7.2	10.5	4.0	4.0	2.4	1.6	0.8	0.0	4.59
	18	6.4	12.1	12.1	8.0	4.0	0.8	0.0	2.4	4.0	2.4	0.8	0.8	4.05
	19	15.3	16.1	12.9	13.7	8.0	1.6	0.0	0.8	1.6	0.8	0.8	0.0	4.76
	20	10.5	11.3	8.0	8.0	6.4	7.2	6.4	3.2	0.0	0.0	0.0	0.8	3.88
	21	11.3	12.9	8.0	6.4	8.9	3.2	5.6	1.6	0.0	0.0	0.8	2.4	3.41
	22	10.5	12.9	11.3	4.8	4.8	0.8	1.6	0.8	0.8	0.0	0.8	0.0	2.95
	23	11.3	14.5	12.9	4.8	4.0	4.8	6.4	4.8	3.2	2.4	0.8	0.0	4.02
	24	12.1	14.5	12.9	6.4	2.4	3.2	2.4	1.6	0.0	0.0	0.8	0.8	3.99
	25	12.9	10.5	12.1	6.4	4.0	9.7	6.4	4.8	1.6	0.8	0.0	0.0	4.49
	26	8.0	6.4	4.8	3.2	1.6	0.0	2.4	1.6	0.8	0.0	0.0	0.0	2.84
	27	9.7	10.5	5.6	3.2	3.2	2.4	0.8	0.0	0.0	0.0	0.0	0.8	2.55
	28	12.1	3.2	1.6	2.4	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0	2.01
	29	11.3	10.5	7.2	6.4	4.0	1.6	1.6	4.8	0.8	3.2	1.6	0.0	3.38
	30	9.7	10.5	9.7	4.0	4.0	1.6	1.6	0.8	0.0	0.0	0.0	0.0	2.61
Hourly Means.		9.39	10.23	9.23	6.72	4.43	3.75	3.02	2.21	1.28	0.93	0.56	0.53	3.42

CLOUDS.
CLEAR = 0. — OVERCAST = 10.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
NOVEMBER.	1	3	3	6	6	7	9	7	6	4	5	6	7	—
	2	7	10	9	9	10	10	10	10	10	10	10	10	—
	3	10	7	6	6	7	4	3	1	3	5	5	8	—
	4	10	10	10	10	9	10	5	6	7	7	6	5	—
	5	9	10	9	10	10	10	9	9	8	9	10	10	—
	6	10	9	6	4	6	9	9	9	10	9	9	9	—
	7	9	7	5	5	7	8	10	7	9	10	9	9	—
	8	6	6	9	10	10	6	7	7	8	7	8	5	—
	9	6	6	3	2	4	6	5	7	6	6	7	6	—
	10	8	9	7	6	5	6	2	3	2	4	3	7	—
	11	9	10	10	10	10	10	10	10	10	10	10	10	—
	12	7	7	7	9	8	9	10	10	9	7	8	10	—
	13	6	4	6	7	6	5	6	5	6	6	8	6	—
	14	3	5	6	4	2	3	2	2	1	0	6	7	—
	15	2	3	6	8	7	7	8	6	7	6	4	6	—
	16	10	10	10	10	10	9	6	6	6	3	6	6	—
	17	5	6	6	5	6	4	7	4	7	7	6	5	—
	18	10	10	9	6	6	7	8	4	3	3	6	7	—
	19	2	1	3	2	3	1	1	1	0	0	1	4	—
	20	4	1	2	2	3	3	3	4	4	4	7	9	—
	21	9	9	10	2	1	10	7	6	6	7	8	7	—
	22	10	10	10	9	10	9	9	10	9	9	9	9	—
	23	6	6	5	4	4	3	1	1	1	1	3	5	—
	24	9	9	7	6	9	9	6	4	5	6	7	5	—
	25	4	2	3	7	9	9	8	7	7	6	7	6	—
	26	2	3	3	1	4	6	4	2	7	6	6	8	—
	27	1	0	0	0	1	5	6	6	7	9	10	9	—
	28	6	6	7	6	6	6	7	7	7	8	5	6	—
	29	6	8	6	4	3	4	4	8	6	7	6	5	—
	30	7	8	6	4	8	9	10	10	10	9	10	9	—
Hourly Means.		6.5	6.5	6.4	5.8	6.4	6.9	6.4	5.9	6.2	6.2	6.9	7.2	—

Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
NOVEMBER.	1	10	9	9	9	10	10	10	10	10	10	10	10	7.8
	2	8	9	9	9	9	6	4	4	5	8	7	6	8.3
	3	9	10	9	9	10	10	10	10	10	10	9	10	7.5
	4	7	8	7	7	10	10	10	10	10	10	10	10	8.5
	5	9	9	9	10	10	10	10	10	10	9	9	9	9.5
	6	9	10	10	8	8	7	6	8	7	9	9	7	8.2
	7	9	5	4	2	4	4	2	2	4	4	9	10	6.4
	8	6	7	6	9	7	10	9	2	3	4	3	2	6.5
	9	7	10	10	10	10	10	10	10	10	7	9	9	7.3
	10	6	5	6	8	10	8	10	9	7	7	9	6	6.4
	11	10	10	10	10	10	10	10	6	7	6	6	5	9.1
	12	9	7	6	5	4	4	3	5	6	5	4	2	6.7
	13	7	7	9	9	9	10	6	8	4	3	3	1	6.1
	14	7	5	4	3	4	6	7	9	7	9	10	10	5.1
	15	3	1	6	10	7	7	9	10	7	10	10	10	6.7
	16	3	4	6	8	10	9	10	8	6	10	9	6	7.5
	17	3	1	3	9	10	10	9	8	6	9	10	10	6.5
	18	10	7	7	6	9	9	6	3	4	6	6	4	6.5
	19	3	2	1	3	2	1	5	3	3	5	2	5	2.3
	20	8	3	3	1	7	4	5	3	1	0	0	9	3.8
	21	9	9	10	10	10	10	10	10	10	10	10	10	8.3
	22	7	6	7	10	10	10	10	10	10	10	8	6	9.0
	23	5	3	9	10	10	10	10	10	10	10	10	10	6.1
	24	6	6	7	10	10	10	10	9	9	9	9	7	7.7
	25	5	5	6	10	10	10	10	10	10	1	1	1	6.4
	26	9	7	5	7	7	6	10	10	10	8	10	6	6.1
	27	7	8	9	9	10	10	6	7	5	5	6	6	5.9
	28	7	10	10	10	10	10	10	9	10	10	5	7	7.7
	29	3	7	7	7	8	8	7	8	9	9	9	9	6.6
	30	7	7	7	8	10	10	10	8	10	10	10	9	8.6
Hourly Means.*		6.9	6.6	7.0	7.9	8.5	8.3	8.1	7.6	7.3	7.4	7.4	7.1	7.0

ATMOSPHERIC ELECTRICITY.

IN VOLTS. — P. N. = POSITIVE OR NEGATIVE OUT OF SCALE.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
NOVEMBER.	1	23.1	19.1	17.3	13.9	18.8	19.3	15.5	6.0	2.8	2.5	2.9	2.6	—
	2	0.0	26.5	25.8	11.4	13.4	16.0	25.2	12.2	6.1	1.3	3.1	3.1	—
	3	9.2	10.5	8.8	10.7	12.2	11.0	11.0	5.5	3.7	3.4	2.7	2.3	—
	4	10.5	9.0	9.9	9.2	8.6	11.9	21.1	5.7	4.6	4.3	3.5	4.1	—
	5	10.5	11.4	8.3	7.1	4.9	0.9	7.2	2.3	3.6	3.3	3.3	3.6	—
	6	11.4	11.9	8.6	6.5	6.3	8.2	8.5	5.7	2.6	0.5	1.4	2.4	—
	7	4.8	4.4	3.7	3.1	3.8	4.8	5.1	3.3	0.5	0.9	1.0	1.5	—
	8	8.1	6.5	5.6	5.9	10.0	0.2	5.1	1.9	0.2	0.9	1.3	1.2	—
	9	3.7	4.1	3.8	2.3	1.9	0.1	7.7	2.2	3.3	2.1	1.5	1.4	—
	10	4.3	4.8	6.8	4.1	3.3	7.8	6.5	3.7	2.8	1.0	2.3	2.8	—
	11	4.6	4.6	4.6	4.6	5.2	4.1	4.0	4.8	4.1	3.1	2.4	3.2	—
	12	—	—	—	—	—	—	—	6.9	4.7	3.3	4.1	—	—
	13	—	—	—	—	—	—	—	4.3	4.0	3.1	3.2	2.8	—
	14	5.6	6.0	6.4	5.4	4.7	6.8	7.6	5.6	3.6	2.7	2.3	3.0	—
	15	5.5	5.9	5.5	5.6	5.7	7.7	9.1	5.1	1.9	2.1	2.1	2.8	—
	16	6.7	5.5	5.6	5.4	5.0	6.5	7.0	—	—	—	2.6	2.8	—
	17	—	—	—	—	—	—	—	3.9	3.8	2.0	2.7	2.8	—
	18	4.7	2.8	P. N.	P.	3.2	11.9	5.5	9.6	2.8	2.3	1.4	0.5	—
	19	8.2	7.6	6.9	6.1	8.6	10.4	11.0	6.1	2.7	3.3	2.8	3.2	—
	20	12.3	10.5	11.7	6.9	6.9	8.7	9.2	4.1	2.8	2.7	2.8	1.9	—
	21	7.7	6.0	5.1	4.8	6.9	10.0	8.2	10.5	5.9	4.8	3.3	3.2	—
	22	5.2	3.7	4.5	4.1	6.4	9.2	11.9	4.1	7.4	4.7	4.2	4.7	—
	23	3.7	4.5	6.5	16.0	8.6	8.2	26.2	8.4	6.9	4.2	3.1	5.0	—
	24	12.3	12.3	11.4	12.2	10.6	9.2	8.9	6.1	3.7	3.2	3.5	3.1	—
	25	9.2	12.1	11.1	6.1	6.9	12.3	7.4	4.3	5.1	1.9	2.5	4.0	—
	26	11.6	10.5	10.7	11.5	11.4	16.5	10.0	4.6	2.7	1.8	2.2	N.	—
	27	15.4	12.3	9.1	10.7	10.3	16.9	13.7	—	—	—	6.0	P.	—
	28	9.2	7.9	6.9	6.5	6.5	10.2	10.5	5.6	4.6	3.1	2.9	3.9	—
	29	12.0	8.7	13.7	14.7	18.8	17.6	14.4	6.9	1.9	1.8	2.1	5.0	—
	30	7.8	7.4	8.7	7.8	10.9	16.9	16.4	7.8	2.5	2.6	N.	—11.9	—
Hourly Means.		8.4	8.8	8.7	7.8	8.1	9.8	10.9	5.6	3.6	2.6	2.7	2.4	—
Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
NOVEMBER.	1	—2.3	3.2	4.0	7.4	6.5	20.6	23.2	13.8	14.6	23.2	25.6	21.5	12.7
	2	3.0	2.9	3.0	3.9	5.5	6.1	8.7	14.2	18.7	19.3	18.3	11.4	10.8
	3	—	4.6	4.8	12.3	P.	N.	N.	N.	P. N.	1.9	7.1	10.9	7.4
	4	3.3	3.7	4.1	9.3	19.1	P.	P. N.	P. N.	P. N.	— 0.3	6.5	13.3	8.1
	5	5.1	14.2	12.2	0.3	N.	P.	12.5	12.8	13.7	12.4	14.0	10.5	7.9
	6	2.3	2.9	3.2	4.6	4.9	5.2	6.0	8.3	7.8	7.8	6.0	5.6	5.8
	7	1.8	1.9	1.9	1.9	3.0	4.1	5.6	7.6	7.8	10.6	10.0	7.8	4.2
	8	0.9	0.6	1.3	2.9	6.9	7.8	4.8	3.7	4.2	4.2	3.8	4.6	3.9
	9	6.5	N.	P.	P.	3.0	14.5	7.6	5.0	5.2	9.2	5.6	5.3	4.6
	10	2.3	5.1	17.0	N.	P.	6.0	5.1	9.0	7.7	8.0	6.9	5.5	5.6
	11	3.8	4.1	5.4	6.0	6.1	7.8	8.7	—	—	—	—	—	4.8
	12	—	—	—	—	—	—	—	—	—	—	—	—	4.8
	13	2.8	1.8	2.3	1.7	2.2	3.3	4.5	4.9	4.8	4.8	5.3	4.9	3.6
	14	2.8	2.7	3.2	1.9	2.5	3.3	4.3	3.5	3.7	3.7	4.8	5.5	4.2
	15	1.9	1.3	— 1.0	N.	P.	3.5	19.0	3.9	3.6	4.3	7.0	6.8	5.0
	16	2.3	1.6	— 0.4	—	—	—	—	—	—	—	—	—	4.2
	17	0.3	— 0.9	0.2	P. N.	P. N.	N.	N.	16.5	2.5	5.5	5.9	4.9	3.9
	18	2.3	3.1	3.2	2.8	4.7	8.8	11.9	10.0	7.0	6.4	7.7	7.8	5.5
	19	2.9	1.9	1.4	1.7	3.1	5.5	9.6	9.3	7.8	9.6	9.3	11.0	6.3
	20	1.8	0.1	1.2	1.2	2.4	3.4	3.9	4.9	8.1	9.7	10.0	8.9	5.7
	21	2.8	1.9	N.	N.	N.	N.	P.	P.	8.0	11.8	11.2	8.7	6.7
	22	5.0	9.6	P. N.	N.	P. N.	N.	0.0	— 2.4	0.5	3.2	3.0	2.8	4.6
	23	5.2	5.5	N.	P.	P.	N.	P.	N.	6.8	10.2	11.6	12.8	8.5
	24	3.6	5.5	P.	N.	P.	N.	N.	0.5	8.4	11.0	11.9	8.8	7.7
	25	1.8	12.3	5.8	8.7	17.7	10.4	9.7	8.2	8.7	11.5	13.5	13.7	8.5
	26	5.5	6.1	5.0	5.1	8.3	11.0	18.3	11.4	N.	P.	17.8	13.3	9.3
	27	8.3	11.0	11.0	10.6	7.6	8.3	12.5	14.2	18.5	17.7	14.0	9.9	11.9
	28	6.9	—	15.4	8.3	3.6	6.5	11.8	11.0	9.6	6.1	6.1	11.8	7.6
	29	1.4	3.2	2.8	5.5	8.9	8.0	13.6	11.1	8.3	8.3	6.5	7.7	8.5
	30	3.9	3.9	5.1	1.0	— 3.7	5.1	9.2	11.4	13.2	13.5	11.8	10.0	7.0
Hourly Means.		3.2	4.2	4.7	4.9	5.9	7.5	9.6	8.4	8.3	9.0	9.7	9.1	6.8

BAROMETRIC PRESSURE.

BAROMETER AT 0° C = 750 MILLIMETRES + THE NUMBERS IN THE TABLE.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
D E C E M B E R.	1	6.49	6.42	6.25	5.79	5.81	6.07	6.54	7.13	7.08	6.92	6.49	5.89	—
	2	6.52	6.09	5.94	5.89	6.19	6.80	7.65	8.15	8.40	8.16	7.13	6.08	—
	3	6.80	6.58	6.33	6.50	6.75	7.28	7.45	7.59	7.62	7.43	7.05	6.43	—
	4	6.73	6.55	6.50	6.56	6.88	7.31	7.75	8.00	7.77	7.60	6.95	6.40	—
	5	6.95	6.47	6.15	5.82	6.24	6.55	6.94	7.39	7.32	6.99	6.83	6.30	—
	6	6.44	6.19	5.77	5.69	6.32	6.58	6.89	7.21	7.21	7.14	6.65	5.89	—
	7	7.08	6.63	6.33	6.30	6.47	6.93	7.99	8.25	8.25	7.91	7.28	6.89	—
	8	8.20	7.61	7.52	7.50	7.92	8.27	8.70	9.01	9.35	9.23	8.76	8.23	—
	9	8.76	8.45	8.28	8.23	8.35	8.58	9.18	9.15	9.52	9.78	9.42	9.45	—
	10	10.28	9.47	9.04	8.89	9.01	9.67	9.99	10.84	10.94	10.88	10.33	9.78	—
	11	10.74	10.20	10.06	9.83	9.69	9.95	10.43	10.57	10.77	10.85	10.13	9.89	—
	12	8.96	8.73	8.23	7.98	8.20	8.55	8.95	9.12	9.15	9.21	8.66	8.53	—
	13	8.12	7.71	7.72	7.80	8.25	8.52	8.90	9.37	9.93	9.94	9.29	8.92	—
	14	8.45	8.22	8.06	7.70	7.79	8.30	9.05	9.42	9.67	9.36	8.88	8.38	—
	15	8.98	8.25	8.06	7.86	7.97	8.63	9.08	9.27	9.37	9.21	8.98	8.64	—
	16	8.86	8.40	8.41	8.46	8.76	9.09	9.33	9.57	10.28	10.38	10.00	9.40	—
	17	9.19	8.76	8.11	8.21	8.55	9.01	9.92	10.42	10.59	10.38	10.03	9.43	—
	18	8.61	8.22	8.23	8.11	8.27	8.58	8.92	9.27	9.50	9.21	8.88	8.28	—
	19	8.86	8.45	8.31	8.21	8.37	8.93	9.48	9.77	9.70	9.66	9.17	8.82	—
	20	8.66	8.25	8.46	8.11	8.42	9.03	9.41	9.98	10.16	9.84	9.62	9.50	—
	21	8.58	8.10	7.86	7.91	8.15	8.76	9.23	9.77	9.88	9.46	9.22	8.72	—
	22	8.66	8.10	7.96	7.80	7.85	8.22	8.87	9.12	9.60	9.21	8.91	8.33	—
	23	8.45	8.12	7.72	7.75	7.69	8.15	8.85	9.10	9.35	9.36	8.86	8.43	—
	24	8.30	7.97	8.01	7.86	8.05	8.42	8.97	9.57	9.72	9.68	9.49	9.07	—
	25	8.88	8.40	8.23	8.18	8.40	8.81	9.41	9.96	10.47	10.40	10.25	10.16	—
	26	10.41	10.10	9.80	9.68	9.77	10.33	10.55	10.99	11.50	11.14	10.74	10.16	—
	27	9.95	9.47	9.48	9.28	9.69	9.79	10.19	10.72	10.99	11.29	11.01	10.57	—
	28	9.27	8.98	8.92	8.94	8.86	9.12	9.58	9.91	9.96	9.89	9.74	9.38	—
	29	9.01	8.91	9.13	9.18	9.24	9.34	9.97	10.23	10.59	10.48	10.18	9.75	—
	30	9.88	9.69	9.40	9.35	9.39	9.85	10.45	10.79	10.94	11.05	10.76	10.50	—
	31	10.15	9.85	9.38	9.53	9.67	9.90	10.35	10.82	11.04	10.63	10.49	9.80	—
Hourly Means.		8.56	8.17	7.99	7.90	8.10	8.49	9.00	9.37	9.57	9.44	9.04	8.58	—
Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
D E C E M B E R.	1	5.30	4.76	4.44	5.08	5.68	6.29	6.94	7.34	7.60	7.55	7.43	6.83	6.34
	2	5.24	4.89	4.74	4.54	4.58	5.25	5.94	6.47	7.09	7.48	7.45	7.51	6.42
	3	6.14	5.50	5.08	5.39	5.88	6.42	6.86	7.25	7.63	7.63	7.84	7.31	6.78
	4	5.65	5.09	4.62	4.27	4.51	5.71	6.43	6.93	7.55	7.38	7.17	7.03	6.56
	5	5.63	5.04	4.59	4.29	4.94	5.86	6.64	7.18	7.27	7.19	7.27	6.58	6.35
	6	5.27	4.79	4.29	4.47	5.14	5.73	6.43	7.23	7.65	7.70	8.04	7.49	6.34
	7	6.14	5.48	5.10	5.28	5.90	6.63	7.35	8.25	8.65	8.82	8.65	8.86	7.14
	8	7.73	7.20	7.21	6.81	7.15	8.07	8.53	9.14	9.43	9.99	9.99	9.52	8.38
	9	8.83	8.27	7.79	7.88	8.14	8.76	9.75	10.36	10.93	11.19	11.46	11.30	9.24
	10	9.21	8.54	8.58	8.74	9.21	9.54	10.16	11.06	11.11	11.29	11.21	11.01	9.95
	11	9.90	9.74	8.99	8.66	9.05	9.32	10.16	10.20	10.68	10.65	10.40	9.85	10.03
	12	8.07	7.78	7.57	7.16	7.12	7.39	7.98	8.58	8.72	9.23	9.05	8.61	8.40
	13	8.90	7.89	7.39	7.16	7.63	8.42	8.74	9.01	9.11	9.13	9.53	9.24	8.61
	14	7.94	7.61	7.06	7.08	7.22	7.61	8.72	9.22	9.43	9.53	9.56	9.32	8.48
	15	8.04	7.41	7.57	7.39	7.63	7.79	8.08	8.71	9.26	9.48	9.58	9.22	8.52
	16	8.78	7.87	7.57	7.39	7.99	8.52	9.35	9.62	9.73	9.81	9.78	9.29	9.03
	17	9.08	8.44	7.74	7.74	8.04	8.27	8.94	9.49	9.81	10.02	9.89	9.32	9.14
	18	7.76	7.05	6.63	6.96	7.33	7.92	8.46	9.19	9.73	9.58	9.48	9.09	8.47
	19	7.84	7.22	6.91	6.96	7.38	7.87	8.94	9.88	10.35	9.94	9.78	9.52	8.76
	20	9.41	8.49	7.47	6.96	6.87	7.46	8.18	9.09	9.63	9.46	9.33	9.12	8.79
	21	7.63	6.77	6.47	6.35	6.62	7.49	7.77	8.42	8.92	9.26	9.51	9.03	8.33
	22	7.56	6.82	6.40	6.61	7.41	7.49	7.88	8.73	9.23	9.41	9.43	9.01	8.28
	23	7.92	7.41	6.88	6.45	6.85	7.54	8.11	8.81	9.08	9.26	9.11	8.73	8.25
	24	8.54	8.12	7.64	7.06	7.12	7.61	8.51	9.14	9.73	9.76	9.73	9.37	8.64
	25	9.64	8.90	9.04	8.81	8.98	9.22	9.68	10.36	11.03	11.19	11.11	10.71	9.59
	26	9.56	8.75	8.43	8.35	8.47	8.86	9.20	9.69	10.14	10.63	10.63	10.41	9.93
	27	10.02	9.36	8.91	8.69	8.63	9.01	9.50	9.88	10.24	10.27	10.07	9.64	9.86
	28	9.16	8.52	7.59	7.34	7.63	8.00	8.41	8.93	9.43	9.68	9.78	9.39	9.02
	29	9.16	8.70	8.13	7.98	8.22	8.58	9.40	9.72	10.35	10.53	10.85	10.39	9.50
	30	9.92	9.36	8.84	8.79	9.05	9.52	10.21	10.64	11.24	11.11	10.75	10.54	10.08
	31	8.90	8.70	8.86	8.81	8.75	9.14	9.20	9.74	9.99	9.99	9.97	9.54	9.72
Hourly Means.		8.03	7.43	7.05	6.95	7.26	7.78	8.40	8.98	9.38	9.49	9.48	9.12	8.48

STANDARD THERMOMETER.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
D E C E M B E R.	1	76.0	76.0	75.8	75.3	75.0	74.8	75.7	78.4	80.9	83.2	83.5	84.9	—
	2	75.5	75.3	75.1	75.0	74.5	74.3	75.5	79.0	81.7	83.4	85.0	86.8	—
	3	77.0	76.4	76.1	75.6	75.1	74.7	76.1	78.3	81.1	84.0	85.9	87.0	—
	4	75.6	75.0	74.8	74.6	74.0	73.8	75.1	78.6	82.2	85.1	87.3	88.7	—
	5	78.6	77.8	77.3	77.5	77.5	77.3	78.5	80.7	82.2	85.4	85.8	89.2	—
	6	77.8	77.1	77.1	76.8	75.8	75.0	77.5	80.4	84.2	86.4	88.4	89.6	—
	7	79.1	78.5	78.0	77.0	75.7	75.1	75.4	77.7	82.7	85.2	88.5	90.0	—
	8	78.3	77.9	77.8	77.6	77.5	76.5	77.0	77.8	79.6	81.3	84.5	87.7	—
	9	76.7	76.4	75.9	74.9	74.5	74.6	75.6	77.9	82.0	83.0	83.6	80.0	—
	10	75.5	75.4	75.2	74.9	74.5	74.4	75.9	79.0	82.7	85.0	86.6	88.4	—
	11	75.6	75.0	73.8	73.0	73.0	73.4	74.4	74.8	78.0	78.4	79.7	82.6	—
	12	74.0	74.2	74.0	73.2	73.2	73.5	74.9	77.8	79.2	81.2	82.7	80.0	—
	13	73.6	73.6	73.6	73.6	73.6	73.2	73.7	74.3	76.1	76.2	77.3	78.5	—
	14	75.6	75.3	75.0	75.0	75.2	75.9	75.4	76.0	77.2	77.9	79.6	80.8	—
	15	75.9	75.8	75.0	74.9	74.7	74.9	75.9	77.0	79.0	81.1	84.0	83.5	—
	16	74.8	74.8	75.0	75.0	74.0	73.9	74.5	75.9	77.5	76.9	78.3	79.3	—
	17	75.2	75.5	75.3	75.2	74.9	74.5	74.5	74.7	75.0	75.4	77.2	78.8	—
	18	74.6	74.0	73.8	73.8	73.8	73.7	75.2	77.6	79.2	82.0	83.0	82.0	—
	19	74.4	74.3	74.3	74.0	74.0	74.0	74.3	76.3	77.5	79.0	80.8	81.0	—
	20	73.5	73.3	73.4	73.6	73.6	73.7	75.0	75.8	76.5	78.4	80.0	78.6	—
	21	73.5	73.7	74.0	74.0	74.0	74.0	74.2	74.4	74.2	75.2	79.4	81.3	—
	22	74.6	74.5	74.9	75.1	74.5	74.2	75.0	77.0	79.8	81.0	83.0	85.3	—
	23	74.4	74.3	74.3	73.7	73.0	72.5	74.2	77.0	79.5	82.0	81.2	83.5	—
	24	75.5	75.0	74.8	74.6	74.2	74.2	74.9	76.0	77.9	80.8	82.5	81.3	—
	25	75.2	74.6	74.0	74.0	74.1	74.5	75.0	76.3	77.8	78.7	77.1	75.7	—
	26	73.2	73.3	73.2	73.2	73.2	73.1	74.0	74.9	76.3	78.0	79.0	80.4	—
	27	75.2	75.0	74.4	74.2	74.2	74.0	74.3	76.0	77.9	76.2	74.8	76.1	—
	28	73.6	73.5	73.2	72.4	71.6	71.5	73.0	76.0	79.0	81.6	82.2	83.2	—
	29	73.8	74.0	73.3	72.2	71.5	72.0	72.0	72.5	72.9	74.6	76.2	76.6	—
	30	72.2	72.3	72.3	72.3	72.2	72.0	72.3	72.3	72.4	73.0	73.4	74.4	—
	31	73.3	73.1	73.0	73.0	73.0	72.7	73.0	74.3	76.5	78.1	79.9	79.5	—
Hourly Means.		75.22	75.00	74.76	74.49	74.18	74.06	74.90	76.60	78.67	80.25	81.63	82.41	—
Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
D E C E M B E R.	1	85.0	84.6	83.2	82.0	77.5	76.7	76.5	76.5	76.1	75.9	75.6	75.5	78.53
	2	85.5	84.8	84.4	84.4	84.3	83.2	82.1	81.0	80.0	79.0	78.7	78.0	80.27
	3	85.0	85.0	86.0	82.8	82.0	80.3	78.5	78.3	77.4	76.7	76.3	75.7	79.64
	4	90.2	88.0	88.0	88.5	87.4	85.2	83.6	82.0	81.2	80.7	79.7	79.0	81.60
	5	89.0	89.7	89.8	89.0	87.0	84.6	82.2	82.0	81.2	80.1	79.0	79.0	82.52
	6	91.2	88.0	85.7	85.3	85.0	84.8	83.7	82.5	81.7	81.0	80.5	79.5	82.29
	7	91.6	92.4	90.5	89.2	87.1	85.0	83.6	82.4	81.9	80.9	80.3	79.9	82.82
	8	83.8	84.0	78.2	79.5	79.5	77.9	78.0	78.7	78.9	78.4	78.0	77.6	79.42
	9	82.0	80.5	80.5	81.3	80.5	79.1	78.8	78.8	78.4	76.9	76.5	76.0	78.52
	10	86.0	85.0	84.0	81.1	79.2	78.9	78.0	76.0	75.8	76.0	76.0	76.0	79.15
	11	76.8	75.2	75.2	75.2	75.0	74.5	73.6	73.0	72.6	72.2	72.2	72.8	75.00
	12	79.2	77.9	76.0	74.8	75.3	75.0	75.0	75.2	74.6	74.6	74.0	74.0	75.98
	13	79.3	80.2	81.0	81.3	80.2	79.0	77.3	76.7	76.3	76.3	76.2	75.9	76.54
	14	82.3	82.2	81.0	78.7	79.7	79.1	78.5	77.9	77.0	76.9	76.1	76.1	77.68
	15	81.5	82.5	79.3	76.7	76.7	76.5	76.1	75.9	76.1	75.5	75.0	74.8	77.43
	16	80.0	82.0	82.0	79.2	79.8	77.9	75.3	75.2	74.7	74.4	75.0	75.0	76.68
	17	77.5	77.7	78.5	78.8	79.0	78.4	77.7	76.7	76.4	76.1	75.8	75.1	76.41
	18	82.8	82.5	82.0	80.0	77.0	75.0	74.6	74.1	74.6	74.7	75.2	75.2	77.10
	19	81.4	81.2	81.2	81.2	80.8	80.0	77.8	76.3	74.4	73.2	73.8	73.2	77.02
	20	76.5	76.5	76.5	76.5	76.9	76.2	76.0	75.6	75.1	74.8	74.4	74.1	75.60
	21	84.1	84.1	84.7	83.0	82.0	80.0	79.0	78.5	77.7	76.8	76.2	75.6	77.65
	22	83.7	83.4	83.5	79.2	76.9	75.9	75.7	75.7	75.7	75.1	74.9	74.9	77.65
	23	83.0	84.2	84.3	83.3	82.7	81.0	80.0	79.2	78.5	77.9	76.7	75.9	78.60
	24	83.0	80.2	79.0	79.7	79.5	79.0	78.5	78.2	76.5	76.0	75.6	75.4	77.60
	25	77.0	78.1	77.9	77.9	77.0	76.1	75.9	75.8	74.1	73.6	73.1	73.6	75.71
	26	81.2	81.4	80.9	80.0	80.0	79.0	77.7	77.5	77.0	76.6	76.6	76.2	76.91
	27	77.8	79.0	79.3	78.5	78.5	78.0	77.2	76.9	76.0	75.2	74.9	74.0	76.15
	28	80.0	77.1	76.8	78.3	78.3	76.2	75.6	75.2	74.7	74.4	74.3	74.0	76.07
	29	78.6	79.4	80.0	79.2	79.0	77.7	73.2	73.2	73.0	72.8	72.5	72.2	74.68
	30	74.7	76.3	76.1	76.6	76.5	76.0	75.6	75.2	74.7	74.1	73.6	73.5	73.92
	31	80.7	80.1	75.2	74.2	74.2	74.2	73.7	73.6	73.4	73.0	73.0	72.5	74.88
Hourly Means.		82.27	82.04	81.31	80.50	79.82	78.72	77.71	77.22	76.64	76.12	75.80	75.49	77.74

RELATIVE HUMIDITY OF THE AIR.

SATURATION = 1000.

Mean Batavia Time.	1 A.M.	2	3	4	5	6	7	8	9	10	11	12	—	
D E C E M B E R.	1	915	915	915	922	922	922	889	830	768	733	672	703	—
	2	905	905	905	905	930	939	915	785	728	672	645	645	—
	3	882	899	905	922	922	930	906	853	783	714	680	647	—
	4	914	922	930	939	938	938	888	793	709	646	623	546	—
	5	799	820	819	804	804	827	830	789	764	679	668	554	—
	6	852	851	834	850	881	897	828	759	694	627	544	533	—
	7	870	837	844	874	889	913	889	829	683	684	598	558	—
	8	876	892	892	900	907	932	916	900	840	791	716	571	—
	9	874	890	906	930	939	930	905	806	736	703	713	825	—
	10	847	806	831	854	870	879	856	801	689	631	588	566	—
	11	864	871	903	929	937	938	930	888	852	807	780	710	—
	12	895	896	861	911	911	929	913	836	816	756	724	803	—
	13	938	938	929	920	920	946	965	947	906	915	875	846	—
	14	889	905	913	913	897	840	880	873	796	806	817	761	—
	15	898	898	905	913	922	930	915	891	831	769	674	748	—
	16	947	947	939	939	965	956	947	898	949	866	830	823	—
	17	930	914	914	897	930	956	956	965	956	957	925	854	—
	18	956	956	947	929	938	929	905	852	839	764	774	785	—
	19	921	939	939	956	947	956	947	924	900	854	805	798	—
	20	956	965	956	956	956	965	947	915	915	853	818	869	—
	21	956	947	938	938	938	938	939	947	956	914	802	770	—
	22	913	921	904	904	930	930	930	867	817	776	697	634	—
	23	965	956	947	947	955	964	956	858	816	749	769	719	—
	24	922	930	922	930	947	947	930	898	860	768	730	776	—
	25	966	956	956	956	956	947	947	932	900	877	900	923	—
	26	965	956	947	956	956	965	938	922	915	861	823	789	—
	27	922	939	947	956	965	956	973	915	884	906	956	924	—
	28	938	937	937	936	954	963	946	873	792	741	743	704	—
	29	956	956	955	946	973	955	955	955	946	922	857	866	—
	30	991	982	982	973	982	982	973	982	982	964	982	965	—
	31	973	982	982	973	973	973	982	965	906	877	811	780	—
Hourly Means.	916	917	916	922	931	935	922	879	836	793	759	742	—	
Mean Batavia Time.	1 P.M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.	
D E C E M B E R.	1	683	682	724	736	851	833	874	899	899	915	914	914	835
	2	685	709	722	742	742	781	785	812	848	869	869	867	805
	3	710	718	674	766	792	811	837	837	875	891	906	915	824
	4	541	669	656	616	622	659	733	750	776	797	817	831	761
	5	542	534	551	594	634	669	786	756	740	787	838	822	725
	6	529	554	692	684	703	709	719	751	777	798	819	824	738
	7	504	449	531	535	602	657	698	729	756	782	810	824	723
	8	740	748	884	863	886	884	901	885	878	901	852	867	851
	9	777	774	804	784	796	793	800	807	791	818	833	832	824
	10	649	652	641	711	785	800	797	915	880	864	864	872	777
	11	842	930	922	914	913	904	920	891	919	919	919	929	889
	12	785	805	899	913	889	905	914	905	922	922	956	956	876
	13	832	834	798	770	804	855	819	833	849	865	857	864	876
	14	729	737	775	821	816	823	853	836	858	858	890	890	841
	15	771	738	801	924	916	940	940	923	906	922	913	939	872
	16	810	764	721	847	795	836	898	914	922	939	930	930	888
	17	875	867	862	854	847	838	868	916	915	931	923	947	908
	18	759	752	771	818	899	930	930	956	965	965	957	930	884
	19	762	769	762	762	797	818	844	906	930	965	947	955	879
	20	915	915	882	874	866	890	898	889	914	922	939	947	913
	21	742	715	709	724	700	758	801	830	829	851	865	864	849
	22	741	747	740	854	850	923	940	940	940	947	947	956	865
	23	704	682	682	685	710	761	810	847	869	860	906	931	835
	24	690	781	838	832	832	822	861	861	915	931	948	957	868
	25	851	852	829	836	866	931	957	940	947	956	964	956	921
	26	769	748	754	787	795	838	884	907	924	940	932	932	883
	27	845	801	757	814	846	806	859	874	906	939	930	956	899
	28	766	883	899	877	869	899	915	939	947	947	956	956	888
	29	831	802	743	779	793	875	946	955	964	964	973	991	911
	30	956	915	915	907	906	931	940	957	956	956	965	965	959
	31	775	774	871	938	956	947	956	956	956	965	965	964	925
Hourly Means.	745	752	768	792	809	833	861	875	886	900	907	912	855	

VELOCITY OF THE WIND IN KILOMETERS PER HOUR.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
D E C E M B E R.	1	0.0	0.8	0.8	0.0	0.0	0.8	1.6	3.2	4.8	4.8	6.4	8.9	—
	2	3.2	4.0	3.2	0.8	1.6	0.0	0.0	2.4	5.6	8.0	8.0	7.2	—
	3	0.8	0.8	0.8	0.8	0.0	1.6	0.8	1.6	4.8	4.8	4.8	7.2	—
	4	0.8	0.0	0.0	0.8	0.0	0.8	3.2	4.0	6.4	8.0	8.0	7.2	—
	5	0.0	0.8	0.8	1.6	0.8	0.0	2.4	3.2	5.6	8.0	8.0	9.7	—
	6	0.0	0.8	1.6	0.0	0.0	1.6	2.4	5.6	7.2	10.5	11.3	10.5	—
	7	0.0	0.8	1.6	0.8	0.0	0.8	1.6	3.2	6.4	8.0	8.9	8.9	—
	8	2.4	3.2	4.0	4.8	4.0	1.6	2.4	0.8	2.4	4.0	6.4	8.0	—
	9	0.0	0.0	0.8	0.0	0.0	1.6	3.2	4.8	8.0	7.2	12.9	10.5	—
	10	4.8	4.0	1.6	0.0	0.0	0.0	1.6	4.8	9.7	12.1	11.3	12.1	—
	11	8.0	9.7	7.2	4.8	3.2	3.2	8.0	5.6	8.0	8.9	8.0	10.5	—
	12	7.2	5.6	4.8	2.4	4.8	3.2	5.6	5.6	6.4	8.0	8.0	13.7	—
	13	0.8	0.8	0.8	0.8	4.8	1.6	4.0	5.6	6.4	6.4	7.2	6.4	—
	14	4.0	3.2	2.4	2.4	4.8	8.0	6.4	9.7	10.5	11.3	8.0	8.0	—
	15	1.6	3.2	2.4	0.0	0.8	0.8	2.4	2.4	4.8	8.0	11.3	11.3	—
	16	0.8	1.6	3.2	5.6	3.2	4.0	3.2	4.8	6.4	8.0	11.3	9.7	—
	17	1.6	3.2	3.2	1.6	2.4	1.6	4.0	3.2	4.0	2.4	4.8	8.0	—
	18	0.0	0.0	0.8	0.8	1.6	2.4	4.8	7.2	8.9	10.5	11.3	13.7	—
	19	1.6	0.8	1.6	1.6	0.8	0.8	1.6	5.6	8.9	12.1	13.7	10.5	—
	20	0.0	0.8	0.8	0.0	0.0	0.8	3.2	4.0	2.4	4.8	5.6	5.6	—
	21	0.8	0.8	1.6	1.6	4.0	3.2	1.6	0.8	4.8	5.6	9.7	10.5	—
	22	0.0	1.6	3.2	0.8	1.6	1.6	3.2	1.6	4.8	4.8	4.8	10.5	—
	23	0.0	0.0	0.0	0.0	1.6	0.0	2.4	4.8	4.0	3.2	6.4	6.4	—
	24	0.0	1.6	0.8	0.8	0.8	0.0	0.8	0.0	3.2	4.0	8.0	9.7	—
	25	0.8	0.8	0.0	1.6	3.2	1.6	1.6	0.0	2.4	4.0	12.9	11.3	—
	26	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.0	2.4	6.4	9.7	8.0	—
	27	2.4	0.0	0.0	0.0	0.0	0.0	0.0	1.6	4.0	8.0	5.6	5.6	—
	28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	4.8	6.4	9.7	10.5	—
	29	0.0	4.0	11.3	6.4	0.0	0.0	0.8	0.0	0.8	0.8	1.6	0.8	—
	30	3.2	2.4	1.6	0.8	1.6	1.6	0.0	0.0	1.6	1.6	1.6	2.4	—
	31	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	6.4	8.9	10.5	—
Hourly Means.		1.45	1.78	1.96	1.34	1.47	1.39	2.37	3.15	5.25	6.68	8.20	8.83	—
Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
D E C E M B E R.	1	9.7	10.5	8.0	10.5	13.7	7.2	4.8	2.4	3.2	3.2	4.8	4.0	4.75
	2	7.2	8.0	7.2	6.4	4.8	4.0	0.8	0.8	0.0	3.2	4.8	4.0	3.97
	3	9.7	8.0	8.0	6.4	6.4	5.6	4.8	2.4	1.6	0.8	0.8	0.8	3.50
	4	9.7	12.1	12.1	8.9	4.8	4.8	4.0	3.2	0.8	0.8	0.8	0.8	4.25
	5	10.5	11.3	9.7	5.6	8.0	4.8	1.6	1.6	3.2	3.2	1.6	0.8	4.28
	6	12.9	15.3	14.5	11.3	6.4	3.2	1.6	0.8	0.0	0.8	0.0	0.0	4.93
	7	10.5	12.1	9.7	6.4	6.4	5.6	4.8	3.2	3.2	3.2	4.0	2.4	4.69
	8	12.9	9.7	5.6	3.2	0.8	1.6	2.4	3.2	1.6	1.6	0.8	0.8	3.68
	9	8.0	7.2	4.8	4.0	4.0	1.6	1.6	1.6	6.4	6.4	7.2	8.9	4.61
	10	14.5	14.5	10.5	13.7	8.0	4.8	6.4	8.9	8.0	7.2	4.8	5.6	7.04
	11	7.2	5.6	7.2	7.2	7.2	3.2	9.7	6.4	8.0	4.0	4.8	7.2	6.78
	12	12.9	9.7	7.2	8.0	6.4	2.4	3.2	4.8	4.8	3.2	3.2	1.6	5.95
	13	5.6	4.8	6.4	11.3	4.8	4.8	4.8	0.8	3.2	3.2	4.0	4.0	4.30
	14	10.5	11.3	11.3	6.4	4.8	3.2	1.6	3.2	1.6	1.6	1.6	0.8	5.69
	15	14.5	12.9	4.0	0.8	2.4	3.2	0.8	1.6	3.2	2.4	1.6	0.8	4.05
	16	8.0	9.7	7.2	3.2	8.0	7.2	7.2	3.2	2.4	3.2	1.6	3.2	5.25
	17	10.5	8.0	4.8	6.4	5.6	4.0	1.6	1.6	1.6	1.6	0.8	0.8	3.64
	18	15.3	14.5	10.5	12.1	7.2	4.8	1.6	1.6	0.8	0.0	2.4	5.6	5.77
	19	14.5	15.3	12.9	9.7	4.8	1.6	3.2	4.8	2.4	4.0	0.8	0.8	5.60
	20	5.6	4.8	5.6	5.6	4.8	1.6	2.4	4.8	3.2	1.6	0.8	0.0	2.87
	21	11.3	10.5	8.0	9.7	7.2	5.6	5.6	3.2	1.6	0.8	1.6	0.8	4.62
	22	16.9	16.1	12.1	9.7	4.0	1.6	1.6	1.6	1.6	0.8	0.0	0.0	4.35
	23	8.9	11.3	11.3	9.7	8.0	6.4	0.8	0.8	2.4	0.0	0.0	0.0	3.68
	24	19.3	20.9	12.9	12.1	6.4	4.0	2.4	3.2	1.6	0.8	0.8	1.6	4.82
	25	13.7	15.3	7.2	3.2	0.0	0.0	0.0	0.8	0.8	0.0	0.0	0.0	3.38
	26	9.7	11.3	10.5	7.2	4.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	3.02
	27	6.4	4.0	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.63
	28	6.4	3.2	4.8	3.2	4.0	1.6	0.8	0.0	0.0	0.0	0.0	0.0	2.38
	29	1.6	4.0	4.0	4.8	4.0	8.0	4.8	0.0	1.6	3.2	1.6	0.8	2.70
	30	2.4	3.2	4.8	1.6	1.6	0.8	0.0	0.0	0.0	0.0	0.0	0.0	1.37
	31	12.9	11.3	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.35
Hourly Means.		10.31	10.21	8.01	6.72	5.11	3.46	2.74	2.27	2.22	1.96	1.78	1.89	4.19

CLOUDS.

CLEAR = 0. — OVERCAST = 10.

Mean Batavia Time.	1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—	
D E C E M B E R.	1	9	10	9	9	10	10	7	7	9	8	9	9	—
	2	9	9	10	10	9	9	6	6	7	7	9	9	—
	3	6	10	8	9	9	6	7	6	5	4	6	9	—
	4	4	3	3	4	3	6	3	2	2	1	1	1	—
	5	6	4	6	8	7	7	10	10	10	9	9	8	—
	6	10	9	9	6	6	9	8	9	9	8	6	8	—
	7	10	10	1	0	4	5	7	6	4	5	6	6	—
	8	10	10	10	10	10	10	10	10	10	10	9	6	—
	9	8	9	9	8	7	9	6	4	2	7	7	8	—
	10	10	10	10	10	10	10	10	8	7	7	6	7	—
	11	10	10	10	10	10	10	10	9	9	10	8	10	—
	12	10	10	9	9	9	9	6	7	6	7	10	10	—
	13	8	7	9	7	10	10	10	10	10	10	10	10	—
	14	10	9	10	9	7	10	7	6	9	7	7	6	—
	15	10	5	10	10	10	10	10	10	10	9	9	9	—
	16	10	10	10	10	10	10	10	10	9	10	10	10	—
	17	10	10	10	9	10	10	10	10	10	10	10	10	—
	18	4	6	6	6	6	4	3	4	5	9	9	9	—
	19	10	10	10	10	10	10	7	9	10	6	8	8	—
	20	10	10	10	10	10	10	10	10	10	10	10	10	—
	21	3	10	10	10	9	10	10	10	10	9	7	6	—
	22	2	8	9	7	5	5	6	7	5	7	7	7	—
	23	5	4	4	6	7	4	2	2	2	4	9	8	—
	24	3	3	8	9	8	10	10	10	10	6	6	10	—
	25	9	8	6	10	10	10	10	10	10	10	10	10	—
	26	9	7	7	9	9	10	8	9	10	10	10	10	—
	27	10	10	10	10	9	9	6	9	10	10	10	10	—
	28	6	7	7	6	4	6	9	4	3	3	4	9	—
	29	6	10	10	10	10	10	10	10	10	7	10	10	—
	30	10	10	10	10	10	10	10	10	10	10	10	10	—
	31	10	10	10	10	10	10	7	6	6	5	9	10	—

Hourly Means.	8.0	8.3	8.4	8.4	8.3	8.6	8.0	7.7	7.7	7.6	8.0	8.5	—
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Mean Batavia Time.	1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
DECEMBER.	1	10	9	9	10	10	10	10	10	10	10	10	9.3
	2	7	7	8	7	7	5	7	5	8	10	10	8.0
	3	7	9	9	9	7	7	8	5	4	3	4	6.7
	4	6	7	6	4	10	10	9	9	7	7	9	5.2
	5	6	6	7	6	10	10	10	10	10	10	9	8.3
	6	6	7	7	8	9	9	10	10	10	10	10	8.5
	7	7	8	9	9	10	10	10	10	10	10	10	7.4
	8	9	9	10	10	10	9	10	10	8	10	8	9.5
	9	9	10	10	10	10	7	9	10	10	10	10	8.3
	10	6	5	7	7	9	8	10	10	10	10	10	8.6
	11	10	10	10	10	10	10	10	10	6	6	7	9.4
	12	9	10	10	10	10	10	10	10	10	10	10	9.2
	13	10	10	10	10	10	10	9	9	9	10	10	9.5
	14	10	10	9	9	9	10	10	9	9	9	9	8.8
	15	6	6	10	10	10	10	9	10	10	10	10	9.3
	16	10	9	10	10	10	10	10	10	10	10	8	9.8
	17	10	10	9	9	7	8	10	7	7	5	4	8.7
	18	7	7	7	10	10	10	7	3	5	7	8	6.8
	19	10	10	10	10	10	10	10	10	10	10	10	9.5
	20	10	9	9	9	9	6	8	2	2	1	1	7.8
	21	7	4	6	5	8	10	7	6	8	6	6	7.6
	22	5	6	6	10	10	10	10	10	9	7	9	7.3
	23	5	5	7	5	5	6	10	5	6	6	4	5.2
	24	10	7	6	4	3	3	10	9	9	10	10	7.6
	25	8	9	10	10	10	10	10	10	10	10	8	9.5
	26	10	7	9	5	6	4	3	10	10	10	10	8.4
	27	9	9	10	10	10	10	9	10	8	5	4	8.8
	28	10	10	10	10	10	10	7	2	3	2	3	6.2
	29	10	10	10	10	10	10	10	10	10	10	10	9.7
	30	10	9	9	10	9	9	10	10	10	10	10	9.8
	31	9	10	10	10	10	10	10	10	10	6	7	8.8

Hourly Means.	8.3	8.2	8.7	8.6	9.0	8.8	9.0	8.4	8.5	8.0	8.0	8.0	8.3
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ATMOSPHERIC ELECTRICITY.

IN VOLTS. — P. N. = POSITIVE OR NEGATIVE OUT OF SCALE.

Mean Batavia Time.		1 A.M.	2	3	4	5	6	7	8	9	10	11	12	—
DECEMBER.	1	9.5	7.3	5.7	5.3	6.9	10.2	13.2	8.4	6.4	4.5	5.0	4.8	—
	2	6.8	6.5	6.3	7.0	8.0	11.2	15.1	6.3	5.3	5.2	5.5	3.9	—
	3	6.8	8.0	5.9	5.3	8.0	12.2	8.8	8.5	4.9	5.0	4.8	3.2	—
	4	15.5	13.1	13.2	11.3	11.7	14.9	13.6	2.9	3.1	1.5	2.7	2.5	—
	5	8.0	8.8	8.0	6.4	5.4	6.9	7.8	5.3	4.2	1.4	1.4	—3.2	—
	6	9.2	9.6	7.7	7.7	11.3	12.4	9.6	6.0	4.1	0.0	0.0	0.6	—
	7	12.1	9.0	8.6	8.6	12.3	16.8	15.0	—	—	—	—	—	—
	8	—	—	—	—	—	—	—	7.5	7.5	5.6	3.7	3.1	—
	9	16.6	16.6	12.9	14.2	18.2	11.8	9.6	6.8	4.8	4.2	—2.6	3.1	—
	10	5.6	4.8	7.1	7.2	8.5	8.6	8.7	5.3	3.1	—1.3	—0.5	—1.6	—
	11	5.4	5.9	2.1	—23.6	6.9	3.3	6.4	4.6	6.3	3.8	4.8	4.2	—
	12	—	—	—	—	5.6	6.0	8.0	7.9	7.8	6.3	4.0	3.7	—
	13	9.6	8.3	7.5	4.6	0.0	—6.9	6.9	3.7	4.6	4.1	4.8	3.8	—
	14	4.7	5.8	5.9	5.2	6.3	5.3	6.3	3.8	2.9	1.9	3.1	2.1	—
	15	5.9	5.2	4.3	3.6	5.5	6.9	9.1	4.2	3.9	3.2	2.5	1.5	—
	16	5.6	4.9	4.2	3.0	—10.7	3.7	8.2	3.2	3.2	0.5	3.0	3.1	—
	17	—	—	—	—	—10.9	3.1	—0.5	—4.3	7.7	3.2	4.8	3.6	—
	18	6.9	7.5	7.1	5.6	5.3	6.8	5.5	5.5	4.4	5.0	4.4	2.4	—
	19	6.0	4.3	3.7	4.1	5.4	6.3	6.1	3.4	2.1	2.0	1.4	1.5	—
	20	5.9	5.8	4.7	3.3	4.2	6.9	9.2	3.2	1.6	4.2	8.1	N.	—
	21	7.4	4.7	4.4	3.9	3.7	3.2	—13.9	—8.8	—1.1	3.7	1.8	2.1	—
	22	5.2	5.3	3.6	3.2	3.3	3.8	4.5	2.4	1.9	2.1	1.8	3.2	—
	23	8.8	12.0	11.8	10.6	8.7	9.8	12.5	2.6	2.1	0.6	1.5	1.4	—
	24	6.4	6.6	4.0	4.2	3.7	8.6	7.1	4.5	3.1	0.5	1.1	0.2	—
	25	5.1	4.5	3.1	3.2	4.0	4.5	3.2	5.8	3.7	4.8	0.5	4.2	—
	26	3.6	1.9	3.8	2.8	0.7	6.9	6.1	3.7	—	—	—	4.2	—
	27	—	—	—	—	—	12.3	9.6	12.6	6.0	14.4	—23.9	8.6	—
	28	7.9	5.9	5.3	4.9	5.4	7.9	6.9	2.7	2.8	2.3	3.1	4.8	—
	29	9.2	12.1	11.3	—18.8	—19.9	0.4	—10.1	—2.5	3.8	5.8	0.9	0.0	—
	30	—25.8	—21.5	N.	—24.2	—6.9	—26.3	N.	—3.4	—0.4	—0.9	1.4	3.2	—
	31	3.0	4.7	4.3	4.5	3.9	6.4	6.4	3.4	1.5	2.0	1.7	2.1	—
Hourly Means.		6.3	6.2	6.4	2.7	3.9	6.1	6.9	3.8	3.8	3.3	1.8	2.6	—
Mean Batavia Time.		1 P.M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
DECEMBER.	1	5.2	5.4	8.5	12.4	20.7	27.9	12.9	10.0	10.2	9.2	7.8	7.1	9.4
	2	3.1	3.2	3.2	3.7	6.8	8.0	11.3	15.4	15.6	20.7	8.5	5.9	8.0
	3	3.7	3.8	3.5	3.0	7.2	9.1	11.8	14.7	13.4	17.1	18.5	16.9	8.5
	4	2.1	0.5	1.2	0.4	N.	N.	8.5	7.0	8.6	10.2	9.5	7.7	7.4
	5	1.0	—1.7	2.4	0.0	N.	17.2	8.7	6.9	5.6	3.1	5.5	8.7	5.1
	6	—2.1	—5.4	—3.9	0.9	3.6	4.7	8.7	11.8	15.6	12.8	12.0	13.3	6.3
	7	—	—	—	—	—	—	—	—	—	—	—	—	11.8
	8	—3.3	N.	N.	28.3	6.4	—31.1	30.3	8.5	8.0	9.1	11.1	13.3	7.2
	9	3.1	5.8	3.2	2.9	—9.6	5.9	10.2	11.7	8.0	6.7	5.6	5.2	7.3
	10	—2.5	—1.6	3.2	—11.2	2.0	4.3	7.0	—31.6	6.8	4.7	5.9	7.1	2.1
	11	—5.3	N.	—21.5	11.3	—	—	—	—	—	—	—	—	1.0
	12	4.9	3.1	N.	N.	9.6	7.5	8.4	8.0	1.7	5.8	—32.7	7.1	4.0
	13	3.8	3.7	3.8	3.9	4.1	4.6	5.8	6.9	6.4	5.9	4.4	4.2	4.5
	14	2.0	2.1	1.0	2.0	4.2	5.8	8.7	7.7	8.4	6.8	6.6	6.6	4.8
	15	1.5	P.	N.	P.	29.5	1.0	9.1	9.1	7.2	5.8	4.9	4.8	6.1
	16	2.6	2.4	4.1	2.6	—	—	—	—	—	—	—	—	2.7
	17	9.8	1.5	4.2	3.1	3.8	4.5	4.9	6.8	5.6	6.9	8.6	7.7	3.7
	18	1.4	1.4	4.7	—16.1	N.	3.1	9.0	10.7	15.2	17.7	11.2	3.7	5.6
	19	1.1	1.3	1.7	2.7	3.9	5.1	14.4	N.	18.8	—7.4	4.1	5.9	4.3
	20	P.	11.8	2.6	2.8	3.7	5.9	6.9	6.9	6.3	7.5	7.5	6.7	5.7
	21	1.0	2.0	2.1	1.3	2.1	3.1	4.2	4.5	4.7	5.3	4.8	4.4	2.1
	22	0.9	0.7	—3.2	—5.3	23.0	—29.5	14.5	8.8	11.7	8.5	8.6	7.3	3.6
	23	1.5	1.5	1.3	1.3	1.6	3.6	3.4	9.3	9.3	5.3	10.5	9.9	5.9
	24	—1.0	—0.6	0.7	1.0	1.6	3.2	0.5	5.3	0.4	9.6	—30.6	3.9	1.8
	25	3.0	3.2	1.8	2.5	3.9	4.5	—3.8	—0.2	N.	—5.3	0.3	0.9	2.5
	26	2.1	2.1	2.6	3.3	4.7	7.4	6.9	6.4	7.4	2.6	7.5	—	4.3
	27	3.1	3.7	3.5	4.0	4.7	6.0	9.5	9.0	10.5	11.1	11.8	9.4	6.6
	28	—10.7	15.6	—19.3	3.2	6.4	26.3	—2.7	7.7	9.4	12.9	15.9	15.0	5.8
	29	1.7	2.2	1.9	2.9	3.6	3.1	N.	—24.2	6.4	—32.2	0.0	—8.0	—2.2
	30	—4.3	2.1	0.7	1.0	3.9	7.2	—1.1	—8.5	—15.5	—22.6	—4.0	1.4	—6.6
	31	5.3	9.6	—5.8	—1.6	—37.6	1.0	8.6	9.1	9.1	12.9	11.8	10.3	3.2
Hourly Means.		1.2	2.9	0.3	2.4	4.6	4.4	8.0	5.1	8.0	5.4	4.8	6.9	4.3

RAIN IN MILLIMETRES.

Mean Batavia Time.	1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
February 22	—	—	—	—	0.1	0.1	—	—	—	—	0.1	—	—
» 23	0.3	—	0.1	—	0.7	0.4	0.1	—	—	—	3.5	5.0	—
» 24	—	—	1.2	—	—	—	—	—	—	—	—	—	—
» 25	—	—	4.2	17.1	1.9	0.9	—	—	—	—	—	—	—
» 26	—	—	—	—	—	—	—	—	—	—	—	—	—
» 28	—	—	—	—	—	—	—	—	—	—	—	—	—
March 1	0.5	0.1	0.5	—	—	—	—	—	—	—	—	—	—
» 2	—	—	—	—	—	—	—	—	—	—	—	—	—
» 3	—	—	—	—	—	—	—	—	—	—	—	—	—
» 4	—	—	—	—	—	—	—	—	—	—	—	—	—
» 5	0.4	0.2	0.8	18.1	1.6	0.7	9.5	36.0	31.2	4.0	4.5	6.6	—
» 6	3.1	1.1	0.8	0.1	—	0.1	2.2	0.2	0.1	—	—	—	—
» 7	2.4	0.4	5.6	6.5	5.3	4.2	0.2	0.1	2.5	1.1	0.9	0.5	—
» 8	—	19.4	25.8	2.8	2.5	4.4	0.4	0.7	0.1	0.6	0.1	4.2	—
» 9	2.6	0.3	—	—	4.3	7.2	6.5	0.6	0.1	—	—	—	—
» 10	0.1	—	—	—	—	—	—	—	—	—	—	—	—
» 11	—	—	—	—	—	—	—	—	—	—	15.5	28.0	—
» 12	—	8.4	3.6	0.1	0.1	0.1	—	—	—	—	—	—	—
» 14	—	—	—	—	—	—	—	—	—	—	—	—	—
» 18	—	—	—	—	—	—	—	—	—	—	—	—	—
» 19	—	—	—	—	—	—	—	—	—	0.3	—	—	—
» 23	—	—	—	—	—	—	—	—	—	—	—	—	—
» 26	—	—	—	—	—	0.5	0.1	—	—	—	—	—	—
» 27	—	—	—	—	—	—	—	—	—	—	—	1.6	—
» 29	—	—	—	—	—	—	—	—	—	—	—	—	—
» 30	0.1	—	—	—	—	—	—	—	—	—	—	—	—
April 1	—	—	—	—	—	—	—	—	—	—	—	0.2	—
» 3	—	—	—	—	—	—	—	—	—	—	0.5	0.9	—
» 4	—	—	—	—	—	—	—	—	—	—	—	—	—
» 7	—	—	—	—	—	—	—	—	—	—	—	—	—
» 8	3.1	0.2	3.0	3.2	1.1	0.1	—	—	—	—	—	—	—

Mean Batavia Time.	1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
February 22	—	—	—	—	—	—	—	12.9	2.4	1.1	1.4	0.5	18.6
» 23	1.8	0.4	0.1	—	—	—	—	—	—	—	—	—	12.4
» 24	—	—	—	—	—	0.5	0.6	—	—	—	—	—	2.3
» 25	—	—	—	—	—	—	—	—	—	—	—	—	24.1
» 26	—	5.5	0.7	0.2	—	—	—	—	—	—	—	—	6.4
» 28	—	—	—	—	—	—	—	—	—	—	4.2	18.5	22.7
March 1	—	—	—	—	—	—	—	—	—	—	—	—	1.1
» 2	—	—	—	—	0.8	0.2	0.5	1.1	0.1	—	—	—	

RAIN IN MILLIMETRES.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
April	9	—	—	—	—	—	—	—	—	—	—	—	—	—
»	10	—	—	—	—	—	—	—	—	—	—	—	—	—
»	11	7.1	1.0	0.1	0.1	0.1	0.4	—	—	—	—	—	—	—
»	12	—	—	—	—	—	—	—	—	—	—	—	—	—
»	13	—	—	—	—	—	—	—	—	—	—	—	—	—
»	15	—	—	—	—	—	—	—	—	—	—	—	—	—
»	18	—	—	—	0.3	0.2	—	—	—	—	—	—	—	—
»	19	—	—	0.5	1.9	0.1	—	—	—	—	—	—	—	—
»	21	—	—	—	—	—	—	—	—	—	—	—	—	—
»	22	—	—	—	—	—	—	—	—	—	—	—	—	—
»	27	—	—	—	—	—	—	—	—	—	—	—	—	—
»	28	—	—	—	—	—	—	—	—	—	—	—	—	—
May	1	—	—	—	—	—	—	—	—	—	—	—	—	—
»	2	—	—	—	—	—	—	—	—	—	—	—	—	—
»	3	0.5	0.2	0.1	—	—	—	—	—	—	—	—	—	—
»	5	—	—	2.6	0.4	—	—	—	—	—	—	—	—	—
»	14	—	—	—	—	—	—	—	—	—	—	—	—	—
»	15	0.1	—	—	—	—	—	—	—	—	—	—	—	—
»	20	—	—	—	—	—	—	—	—	—	—	—	—	—
»	21	—	—	—	—	—	—	—	—	—	—	—	—	—
»	26	—	—	—	—	—	—	—	—	—	—	—	—	—
»	27	—	—	—	0.2	—	—	—	—	—	—	—	—	—
»	29	—	—	—	—	—	—	—	—	—	—	—	—	—
June	4	0.7	3.6	0.2	—	—	—	—	—	—	—	—	—	—
»	7	—	—	—	—	—	—	—	—	—	—	—	—	—
»	10	—	—	—	—	—	—	—	—	—	—	—	—	—
»	12	—	—	—	—	—	—	—	—	—	—	—	—	—
»	13	0.1	0.3	—	—	—	—	—	—	—	—	—	—	—
»	18	—	—	—	—	—	—	—	—	—	—	—	—	—
»	19	2.1	5.6	0.4	0.5	—	—	—	—	—	—	—	—	—
»	24	—	—	—	—	—	—	—	—	—	—	—	—	—
Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
April	9	—	1.7	0.1	—	—	—	—	0.1	0.2	0.1	—	—	2.2
»	10	—	—	—	—	—	—	—	—	—	—	8.5	4.5	13.0
»	11	—	—	5.0	0.1	—	0.6	0.1	—	—	—	—	—	14.6
»	12	—	—	3.6	0.2	—	—	—	—	—	—	—	—	3.8
»	13	0.1	5.6	0.2	0.1	0.1	—	—	—	—	—	—	—	6.1
»	15	—	—	—	9.9	0.1	—	—	—	—	—	—	—	10.0
»	18	—	—	—	—	—	—	—	—	—	—	—	—	0.5
»	19	—	—	—	—	—	—	—	—	—	—	—	—	2.5
»	21	—	0.1	—	—	—	—	—	—	—	—	—	—	0.1
»	22	0.6	0.1	0.4	—	—	—	—	—	—	—	—	—	1.1
»	27	—	1.6	—	—	—	—	—	—	—	—	—	—	1.6
»	28	4.1	1.0	0.1	—	—	—	—	—	—	—	—	—	5.2
May	1	—	—	—	—	—	—	—	0.1	—	—	—	—	0.1
»	2	—	—	—	0.1	—	27.6	3.5	0.4	—	0.1	—	1.0	32.7
»	3	—	—	—	—	—	—	—	—	—	—	—	—	0.8
»	5	—	—	—	—	—	—	—	—	—	—	—	—	3.0
»	14	—	—	—	—	—	—	—	2.5	0.7	0.2	1.5	2.0	6.9
»	15	—	—	—	—	—	—	—	—	—	—	—	—	0.1
»	20	—	5.3	6.5	0.3	0.1	—	—	—	—	—	—	—	12.2
»	21	—	6.2	0.2	—	—	—	—	—	—	—	—	—	6.4
»	26	—	—	—	—	—	—	0.7	5.3	1.5	0.2	0.2	0.1	8.0
»	27	—	—	—	—	—	—	—	—	—	—	—	—	0.2
»	29	—	27.6	12.3	0.3	—	—	—	—	—	—	—	—	40.2
June	4	—	—	—	—	—	—	—	—	—	—	—	—	4.5
»	7	—	—	—	—	—	28.6	3.5	—	—	—	—	—	32.1
»	10	—	3.5	0.1	—	—	—	—	—	—	—	—	—	3.6
»	12	—	—	—	—	—	—	—	5.4	3.3	0.1	—	0.1	8.9
»	13	—	—	—	—	—	—	—	—	—	—	—	—	0.4
»	18	—	—	—	—	—	—	—	—	—	—	—	0.3	0.3
»	19	—	—	—	—	—	—	—	—	—	—	—	—	8.6
»	24	—	—	—	—	—	—	—	—	—	—	1.7	0.7	2.4

RAIN IN MILLIMETRES.

Mean Batavia Time.	1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
June 25	1.2	0.1	0.1	0.1	—	—	—	—	—	—	—	—	—
July 1	—	—	—	—	—	—	—	—	—	—	—	3.9	—
» 15	—	—	—	—	—	—	—	—	—	—	—	—	—
» 18	—	—	—	—	—	—	1.2	0.5	0.1	—	—	—	—
» 31	—	—	—	—	—	—	—	—	—	—	—	—	—
August 5	—	—	—	—	—	—	—	—	—	—	—	—	—
» 6	0.5	0.1	—	—	—	—	—	—	—	—	—	—	—
» 9	—	—	0.1	—	—	—	—	—	—	—	—	—	—
» 19	—	—	—	—	—	—	—	—	—	—	—	—	—
» 25	—	—	—	—	—	—	—	—	—	—	—	—	—
» 28	—	—	—	—	—	—	—	—	—	—	—	—	—
» 29	—	—	—	—	—	—	—	—	—	—	—	—	—
» 31	—	—	—	—	—	—	—	0.2	0.6	0.2	—	—	—
September 1	—	—	—	—	—	—	—	—	—	—	0.6	0.8	—
» 8	—	—	—	—	—	—	—	—	—	—	—	—	—
» 20	—	—	—	1.6	1.9	—	—	—	—	—	—	—	—
» 29	—	—	—	—	—	—	—	—	—	—	—	—	—
October 5	—	—	—	—	—	—	—	—	—	—	—	—	—
» 10	—	—	—	—	0.8	0.1	—	—	—	—	—	—	—
» 11	—	—	—	—	—	—	—	—	—	—	—	—	—
» 13	—	—	—	—	—	—	—	—	—	—	—	—	—
» 15	—	—	—	—	—	—	—	—	—	—	—	—	—
» 17	—	—	—	—	—	29.5	0.8	0.3	1.9	1.5	0.3	0.1	—
» 22	—	—	—	—	—	—	—	—	—	—	—	—	—
» 23	—	—	—	—	—	—	—	—	—	—	—	—	—
» 24	0.2	—	—	—	—	—	—	—	—	—	—	—	—
» 25	—	—	—	—	—	—	—	—	—	—	—	—	—
» 26	—	—	—	—	—	—	—	—	—	—	—	—	—
» 31	—	—	—	—	—	—	—	—	—	—	—	—	—
November 1	—	—	—	—	—	—	—	—	—	—	—	—	—

Mean Batavia Time.	1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily amount.
June 25	—	—	—	—	—	—	—	—	—	—	—	—	1.5
July 1	0.2	—	—	—	—	—	—	—	—	—	—	—	4.1
» 15	—	2.1	0.3	—	—	—	—	—	—	—	—	—	2.4
» 18	—	—	—	—	—	—	—	—	—	—	—	—	1.8
» 31	—	—	—	—	—	—	7.5	9.9	0.3	—	0.1	0.2	18.0
August 5	—	—	—	—	—	—	—	—	—	—	3.3	2.4	5.7
» 6	—	2.3	0.1	—	—	—	—	—	—	—	—	—	3.0
» 9	—	—	—	—	—	—	—	—	—	—	—	—	0.1
» 19	—	—	—	—	—	—	—	12.6	0.8	0.1	—	—	13.5
» 25	—	—	—	—	—	—	—	—	—	—	0.6	—	0.6
» 28	—	—	—	—	—	—	0.1	0.2	—	—	—	—	0.3
» 29	—	—	—	—	—	—	0.8	0.1	—	—	—	—	0.9
» 31	—	—	—	—	—	—	—	—	—	—	—	—	1.0
September 1	5.5	0.2	3.1	0.1	—	—	—	—	—	—	—	—	10.3
» 8	—	—	24.2	0.1	—	—	—	—	—	—	—	—	24.3
» 20	—	—	—	—	—	—	—	—	—	—	—	—	3.5
» 29	—	—	—	—	—	0.5	—	—	—	—	—	—	0.5
October 5	—	—	—	—	—	—	—	—	0.1	—	—	—	0.1
» 10	—	—	—	—	—	—	—	—	—	—	—	—	0.9
» 11	6.9	2.9	0.2	—	—	—	—	—	—	—	—	—	10.0
» 13	—	14.2	3.5	—	—	—	—	—	—	—	—	—	17.7
» 15	—	—	—	20.1	2.8	0.1	—	—	—	—	—	—	23.0
» 17	—	—	—	—	—	—	—	—	—	—	—	—	34.4
» 22	—	—	—	—	4.9	0.2	0.1	—	—	—	—	—	5.2
» 23	—	—	—	—	—	—	—	0.3	—	—	—	0.2	0.5
» 24	—	—	—	—	—	—	—	1.5	0.2	—	—	—	1.9
» 25	—	—	—	—	4.0	7.0	1.0	0.6	0.5	—	—	—	13.1
» 26	—	—	—	—	—	1.5	0.6	0.1	—	—	—	—	2.2
» 31	—	—	—	—	0.5	—	—	—	—	—	—	—	0.5
November 1	—	—	—	—	—	—	5.8	0.1	—	—	—	—	5.9

RAIN IN MILLIMETRES.

Hours of Mean Batavia Time.	1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
November 2	—	—	—	0.3	1.5	1.5	0.1	—	—	—	—	—	—
» 3	—	—	—	—	—	—	—	—	—	—	—	—	—
» 4	—	—	—	—	—	—	—	—	—	—	—	—	—
» 5	—	—	—	—	—	—	—	—	—	—	—	—	—
» 9	—	—	—	—	—	—	—	—	—	—	—	—	—
» 10	—	—	—	—	—	—	—	—	—	—	—	—	—
» 15	—	—	—	—	—	—	—	—	—	—	—	—	—
» 18	—	—	0.3	0.1	—	—	—	—	—	—	—	—	—
» 21	—	—	—	—	—	—	—	—	—	—	—	—	—
» 22	—	—	—	—	—	—	—	—	—	—	—	—	—
» 23	—	—	—	—	—	—	—	—	—	—	—	—	—
» 26	—	—	—	—	—	—	—	—	—	—	—	0.8	—
» 28	—	—	—	—	—	—	—	—	—	—	—	—	—
» 30	—	—	—	—	—	—	—	—	—	—	1.2	—	—
December 8	0.1	0.2	0.1	—	0.2	0.2	—	—	—	—	—	—	—
» 10	—	—	—	—	—	—	—	—	—	—	—	—	—
» 11	—	—	0.1	0.8	0.5	0.1	0.1	—	—	—	—	—	—
» 12	—	—	—	—	—	—	—	—	—	—	—	—	—
» 13	—	—	—	—	0.1	0.7	0.1	0.1	—	0.1	0.3	—	—
» 15	—	—	—	—	—	—	—	—	—	—	—	—	—
» 16	—	—	—	—	6.4	0.1	0.1	—	—	—	—	—	—
» 17	—	—	—	—	0.5	0.4	0.3	2.1	0.1	0.5	0.2	—	—
» 18	—	—	—	—	—	—	—	—	—	—	—	—	—
» 19	—	—	—	—	—	—	—	—	—	—	—	—	—
» 20	0.1	—	—	0.1	0.2	—	—	—	—	—	—	0.9	—
» 21	—	—	—	—	—	—	—	1.2	0.5	0.1	—	—	—
» 22	—	—	—	—	—	—	—	—	—	—	—	—	—
» 24	—	—	—	—	—	—	—	—	—	—	—	—	—
» 25	0.1	—	—	—	—	—	—	—	—	—	—	20.2	—
» 27	—	—	—	—	—	—	—	—	—	—	17.7	4.8	—
» 28	—	—	—	—	—	—	—	—	—	—	—	—	—
» 29	—	—	1.8	4.5	6.2	1.5	1.3	0.8	0.3	—	—	0.1	—
» 30	10.8	10.2	9.9	8.9	3.4	7.2	2.6	8.8	5.2	1.7	1.2	0.4	—
» 31	0.1	—	—	—	—	—	—	—	—	—	—	—	—

Hours of Mean Batavia Time.	1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily amount.
November 2	—	—	—	—	—	—	—	—	—	—	—	—	3.4
» 3	—	—	—	—	—	1.2	0.1	0.7	8.7	0.5	0.1	—	11.2
» 4	—	—	—	—	—	—	—	3.0	2.2	1.4	—	0.1	6.7
» 5	—	—	—	—	0.7	1.6	0.1	—	—	—	—	—	2.4
» 9	—	—	9.2	0.2	0.2	—	—	—	—	—	—	—	9.6
» 10	—	—	—	—	0.4	0.3	0.1	—	—	—	—	—	0.8
» 15	—	—	—	4.2	8.5	0.1	—	—	—	—	—	—	12.8
» 18	—	—	—	—	—	—	—	—	—	—	—	—	0.4
» 21	—	—	5.7	1.6	0.1	—	—	—	—	—	—	—	7.4
» 22	—	—	—	23.6	1.6	1.6	0.3	0.5	0.5	0.2	0.1	—	28.4
» 23	—	—	—	7.4	0.3	—	0.4	0.7	0.2	0.1	—	—	9.1
» 26	—	—	—	—	—	—	—	—	—	—	—	—	0.8
» 28	—	—	1.3	0.1	0.2	—	—	—	—	—	—	—	1.6
» 30	—	—	—	—	—	—	—	—	—	—	—	—	1.2
December 8	—	—	2.2	0.2	—	—	—	—	—	—	—	—	3.2
» 10	—	0.3	—	—	—	—	—	0.5	0.2	—	—	—	1.0
» 11	2.1	10.4	2.7	0.4	—	—	—	—	—	—	—	—	17.2
» 12	—	—	2.5	3.8	0.2	—	—	—	0.7	0.1	3.1	6.4	10.8
» 13	—	—	—	—	—	—	—	—	—	—	—	—	1.4
» 15	—	—	—	0.7	0.3	0.2	0.1	0.1	—	—	—	—	1.4
» 16	—	—	—	—	—	—	0.5	1.1	0.1	—	—	—	8.3
» 17	—	—	—	—	—	—	—	—	—	—	—	—	4.1
» 18	—	—	—	—	3.2	6.7	0.2	—	—	—	—	—	10.1
» 19	—	—	—	—	—	—	—	9.5	2.7	0.5	1.4	0.1	14.2
» 20	1.5	1.4	0.3	0.1	—	—	—	—	—	—	—	—	4.6
» 21	—	—	—	—	—	—	—	—	—	—	—	—	1.8
» 22	—	—	—	—	—	1.3	0.2	—	—	—	—	—	1.5
» 24	—	—	—	—	—	—	—	—	—	—	1.5	1.0	2.5
» 25	0.1	—	—	—	—	0.3	2.4	0.1	9.0	8.6	0.3	—	41.1
» 27	0.2	—	—	—	—	—	—	—	—	—	—	—	22.7
» 28	—	3.8	1.0	0.1	—	—	—	—	—	—	—	—	4.9
» 29	0.2	—	—	—	—	—	28.8	0.3	0.1	23.8	36.4	7.2	113.3
» 30	0.5	0.2	0.2	—	—	—	—	0.5	1.2	2.3	0.8	1.0	77.0
» 31	—	—	0.6	2.5	1.8	0.5	0.1	—	—	—	—	—	5.6

BLACK BULB THERMOMETER IN VACUO.
CENTESIMAL DEGREES.

6. a. m.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
1	23.4	22.4	21.9	23.9	22.4	22.5	23.5	22.9	21.6	22.5	22.9	23.4
2	22.8	23.6	23.9	22.9	23.4	23.2	21.5	20.4	21.4	22.0	24.0	24.4
3	22.9	23.4	27.4	23.5	22.4	21.4	20.3	21.2	22.6	22.4	24.1	23.5
4	22.6	22.9	23.0	23.6	23.6	21.7	22.1	22.9	21.9	23.8	23.5	23.0
5	23.0	22.4	23.4	23.6	23.8	21.4	21.8	22.4	21.8	23.4	23.9	24.4
6	23.1	24.4	23.6	23.4	23.0	22.9	22.9	22.4	21.9	23.9	23.0	24.2
7	23.6	22.0	23.4	22.8	23.2	22.7	19.4	22.0	22.2	23.9	23.9	23.4
8	21.9	23.2	23.4	23.9	23.4	23.0	21.9	21.6	22.8	23.1	24.3	23.9
9	23.6	22.0	23.9	22.4	23.0	21.7	21.4	22.4	20.9	23.4	23.2	23.4
10	23.4	22.4	23.1	22.2	22.9	23.9	21.3	21.4	20.8	23.8	23.5	23.5
11	23.4	23.1	23.6	23.6	22.9	22.9	21.9	21.1	22.9	25.6	24.6	22.8
12	23.3	23.0	22.9	22.0	23.2	25.0	22.1	21.2	22.1	23.4	23.4	23.9
13	23.3	22.9	23.1	23.5	23.2	22.5	21.6	20.6	22.4	25.4	23.1	22.6
14	22.8	23.4	24.3	23.0	23.3	20.7	21.9	20.9	22.9	23.9	22.0	24.4
15	24.2	12.9	22.1	23.4	23.4	22.2	21.9	23.2	22.3	23.0	23.1	24.4
16	22.9	23.5	24.2	22.9	24.4	23.3	22.0	21.9	23.8	22.2	24.1	23.2
17	22.9	22.9	23.4	23.0	22.4	21.5	22.9	20.9	24.0	21.4	24.4	24.4
18	23.0	22.6	23.0	23.4	23.3	22.4	22.9	21.1	24.0	23.4	23.4	23.4
19	23.2	22.9	24.7	21.5	22.2	21.9	21.1	22.1	22.8	23.2	22.9	23.0
20	22.1	22.9	23.9	22.9	22.9	21.9	22.0	23.2	21.8	23.1	23.4	22.9
21	24.4	23.5	22.9	22.5	22.4	23.0	22.5	21.1	21.2	23.3	23.5	23.0
22	23.0	23.8	23.4	22.3	22.9	22.0	20.9	21.6	21.6	24.2	23.9	22.9
23	23.0	23.0	23.7	22.4	23.0	22.3	21.4	21.1	22.9	22.9	22.8	22.3
24	22.8	22.4	23.9	22.0	22.9	23.4	20.9	22.5	21.3	23.0	23.9	23.3
25	24.9	23.8	21.9	20.8	21.9	23.6	22.0	23.9	22.4	22.6	24.8	23.4
26	22.4	22.8	23.6	22.4	22.9	21.8	22.1	22.9	21.4	23.4	22.9	22.9
27	23.0	23.4	23.1	23.0	23.4	20.4	22.6	21.0	22.9	23.0	23.4	22.9
28	22.9	23.8	23.4	23.4	23.4	22.7	21.4	22.8	24.0	23.8	23.0	21.4
29	23.7		23.4	22.3	23.2	21.4	20.9	21.4	23.1	23.4	23.0	21.9
30	22.9		23.4	22.0	22.6	21.9	22.3	20.4	22.3	23.8	23.3	21.9
31	23.7		23.4		22.9		22.1	23.2		24.2		22.1
Monthly Means.	23.16	22.69	23.49	22.82	23.03	22.37	21.79	21.86	22.33	23.37	23.51	23.23

Noon.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
1	45.2	49.9	53.9	35.1	52.9	48.4	26.9	51.5	—	52.9	42.4	43.3
2	32.4	54.2	47.4	52.9	48.9	52.3	50.7	47.2	51.9	51.6	41.6	46.0
3	49.1	38.9	45.0	33.4	51.9	53.0	46.5	43.9	52.4	54.2	41.4	45.6
4	40.0	35.7	51.7	57.2	48.2	52.7	46.1	48.8	54.1	54.4	50.0	52.3
5	45.3	44.9	25.5	48.4	48.4	52.8	53.6	59.4	55.0	48.5	41.0	53.9
6	42.4	41.4	29.8	49.9	50.4	46.4	43.0	38.8	38.8	44.5	43.0	51.8
7	53.9	35.2	36.9	55.4	53.4	54.3	52.1	41.5	51.2	39.4	54.9	53.2
8	45.6	43.6	32.9	52.0	53.9	48.9	44.3	45.7	42.5	54.4	50.1	53.7
9	25.9	41.4	41.7	55.4	51.9	50.4	36.8	41.6	48.1	52.9	46.0	33.4
10	50.2	47.4	41.5	52.4	55.9	55.7	37.6	55.4	52.8	52.4	54.9	53.0
11	50.2	40.3	24.8	46.4	53.4	50.6	41.9	54.8	53.0	39.9	39.9	43.1
12	54.4	54.9	33.9	53.9	53.7	44.0	54.1	53.7	48.9	42.7	43.9	37.9
13	34.4	33.1	56.4	54.7	37.8	51.1	53.2	53.9	49.9	39.3	51.9	38.6
14	40.9	41.9	28.0	54.6	51.5	51.4	48.4	52.9	48.4	43.6	45.1	42.0
15	36.8	36.4	57.1	55.9	44.3	50.1	53.4	51.9	55.0	54.4	46.4	46.7
16	38.6	46.9	48.4	44.4	44.7	45.7	46.0	46.7	46.0	51.0	51.8	43.2
17	48.9	45.0	52.4	59.9	51.9	53.2	44.2	41.6	52.2	39.9	54.0	40.8
18	35.3	37.9	53.4	47.7	52.3	48.6	45.4	53.4	47.9	38.0	40.3	43.9
19	52.0	28.7	51.9	40.4	45.5	52.4	56.7	53.9	50.9	52.0	54.5	39.8
20	35.2	42.6	49.4	54.9	44.4	43.1	40.9	44.2	46.5	45.1	39.2	31.9
21	32.1	35.1	55.9	55.9	41.4	35.4	—	50.9	48.6	52.7	51.0	39.7
22	57.6	31.4	53.4	53.4	41.0	51.1	51.1	54.8	50.9	48.4	44.4	48.9
23	39.5	34.4	55.1	56.5	42.5	47.3	53.3	54.9	42.2	54.6	48.0	42.6
24	52.1	44.3	39.2	54.1	53.4	53.0	50.4	53.6	50.9	41.1	48.1	32.7
25	51.4	44.0	52.4	54.2	44.5	52.4	54.4	54.0	53.1	53.7	49.2	29.4
26	51.4	42.4	55.4	48.3	48.9	53.2	52.8	45.6	51.4	38.5	37.4	42.6
27	59.8	53.1	32.9	54.4	42.8	49.8	54.9	53.3	49.9	50.1	45.9	33.3
28	32.4	51.8	52.0	42.9	46.2	40.4	52.4	48.4	52.4	39.4	52.4	45.0
29	53.4		55.9	55.5	38.0	51.9	53.3	52.9	45.8	45.6	50.3	32.6
30	42.2		39.4	48.7	54.4	38.3	51.1	53.0	49.7	51.4	49.8	29.4
31	45.6		57.7		49.4		52.9	31.8		51.5		36.9
Monthly Means.	44.33	42.03	45.53	50.96	48.32	49.26	48.28	49.48	49.67	47.68	46.96	42.17

BLACK BULB THERMOMETER IN VACUO.
CENTESIMAL DEGREES.

6 p. m.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
1	23.5	27.4	28.0	25.9	25.9	28.6	26.4	27.8	25.8	27.4	26.8	24.4
2	26.4	27.9	23.9	27.9	21.9	26.9	26.4	26.9	27.4	27.5	27.3	28.0
3	26.1	27.3	24.4	27.4	26.6	26.5	26.4	27.5	27.2	27.6	22.4	25.9
4	26.0	26.4	25.8	23.8	27.4	26.5	26.0	26.7	26.6	28.4	25.4	28.9
5	24.9	27.0	25.6	27.2	26.1	26.6	27.0	26.8	27.8	27.6	22.8	28.3
6	26.9	26.6	24.0	26.0	27.4	26.8	25.9	26.5	27.8	28.6	24.9	28.8
7	27.0	26.9	25.9	27.4	27.8	22.6	27.2	26.9	27.2	27.7	27.3	28.1
8	26.9	26.0	26.1	27.6	27.4	26.5	26.4	26.8	25.0	28.3	27.4	24.4
9	27.3	26.6	27.4	26.2	27.6	27.4	26.4	26.8	27.5	27.9	23.4	25.4
10	25.1	26.7	27.0	27.4	27.4	24.9	26.5	26.4	26.8	29.0	23.6	24.6
11	27.4	25.0	25.9	24.4	27.7	27.2	26.6	26.9	26.9	26.6	25.4	23.4
12	27.4	27.4	27.3	28.4	28.6	27.4	27.5	27.3	27.4	28.9	27.1	23.7
13	26.8	27.5	26.4	25.9	27.2	26.2	26.4	27.1	27.4	24.1	27.4	25.9
14	27.9	25.4	25.4	25.8	25.3	26.1	26.8	27.3	27.9	24.1	27.0	26.0
15	27.9	27.2	27.8	25.8	26.0	27.4	26.9	26.9	26.9	22.9	24.9	24.2
16	27.6	27.4	27.1	26.6	26.0	27.6	25.9	26.4	27.8	25.7	26.6	25.3
17	24.4	24.9	25.2	26.4	26.9	26.9	25.9	27.2	28.9	24.9	26.0	25.4
18	27.4	23.7	27.9	25.2	27.0	27.4	26.2	27.4	27.5	27.4	26.4	23.2
19	28.8	26.4	26.9	26.1	28.0	25.6	26.8	28.0	28.0	27.0	27.0	26.7
20	27.9	26.9	26.6	27.8	23.5	26.2	26.9	27.6	26.8	27.6	28.4	24.7
21	27.8	27.4	27.5	27.2	26.9	25.4	22.4	26.4	27.3	27.4	23.9	26.4
22	27.9	26.4	25.4	26.4	26.6	25.4	26.9	27.3	27.9	24.9	22.4	23.4
23	27.4	26.8	26.6	29.4	27.1	26.0	27.0	27.3	27.2	22.7	23.9	26.9
24	27.9	26.4	24.7	27.8	26.8	26.6	26.9	27.5	27.9	24.9	29.0	26.0
25	27.0	26.8	27.5	27.4	26.9	25.7	27.4	27.4	27.4	22.7	25.9	24.4
26	28.1	26.6	27.4	27.1	26.4	26.2	27.4	27.9	28.4	23.4	26.0	25.0
27	24.1	25.4	26.6	25.7	26.1	25.9	27.4	28.7	26.9	25.0	25.4	25.4
28	27.6	29.1	26.4	25.9	26.9	26.1	27.2	23.8	27.9	25.9	24.9	24.4
29	29.0		25.0	26.9	25.4	24.9	27.4	26.2	24.4	26.6	26.9	25.4
30	26.2		28.9	26.9	26.6	25.7	27.8	27.6	27.8	25.4	25.5	24.4
31	23.4		27.0		26.3		—	26.0		23.8		23.0
Monthly Means.	26.77	26.63	26.37	26.66	26.57	26.31	26.61	27.01	27.26	26.19	25.71	25.48

Midnight.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
1	22.9	24.0	25.3	23.9	24.3	24.7	23.2	23.8	22.5	23.0	23.0	23.4
2	22.9	24.8	23.9	24.4	22.7	23.6	24.1	22.5	24.4	23.4	24.6	25.0
3	23.0	24.4	24.2	25.0	24.7	25.0	23.5	25.0	22.9	25.0	22.9	22.9
4	22.9	25.0	24.1	23.6	25.4	24.4	23.4	24.4	22.8	24.6	22.6	26.1
5	23.3	23.0	23.9	23.4	23.3	25.5	23.4	23.6	23.1	25.2	22.4	23.6
6	23.2	22.9	23.4	24.2	25.0	23.1	20.8	23.4	23.4	24.6	23.0	27.3
7	22.9	23.4	23.9	24.1	25.8	22.5	24.0	23.4	24.4	23.4	24.6	25.1
8	23.4	23.4	24.7	23.9	24.4	22.4	22.4	24.0	22.8	25.9	22.8	23.9
9	23.8	23.8	23.4	22.9	23.6	24.4	23.5	23.7	24.4	24.9	22.9	23.9
10	23.4	23.2	24.2	22.4	23.4	23.7	22.8	23.9	22.0	23.6	23.0	23.7
11	23.4	22.6	24.3	23.5	24.4	26.1	24.9	23.4	24.0	23.1	23.4	21.8
12	24.3	23.4	24.0	23.4	24.8	—	24.9	22.6	24.0	24.8	22.9	22.9
13	23.4	23.4	24.4	24.4	23.6	22.9	22.7	22.0	24.0	23.4	22.4	23.9
14	23.9	22.8	22.9	23.9	23.9	24.3	22.8	24.1	22.6	22.4	23.6	23.9
15	25.9	22.9	24.4	23.4	24.6	24.6	23.4	23.8	23.4	21.9	24.5	26.0
16	24.1	22.9	23.9	23.6	24.0	23.4	23.4	23.9	25.0	24.4	24.4	24.3
17	23.6	23.6	23.8	23.9	25.6	23.9	23.4	22.4	25.3	22.4	23.9	24.0
18	23.6	23.4	23.9	23.2	23.9	22.6	22.4	23.4	23.4	23.4	22.5	23.0
19	22.6	23.4	25.4	24.4	24.4	23.4	23.2	22.2	24.4	23.7	23.4	23.2
20	25.2	24.4	23.9	24.1	22.3	23.8	24.0	23.7	23.9	23.4	24.7	26.2
21	24.1	24.1	24.0	23.2	24.2	22.0	22.4	23.1	22.5	23.4	23.0	24.4
22	23.7	22.7	25.3	23.1	24.2	23.9	23.4	22.9	23.4	22.4	22.9	23.4
23	23.7	23.1	23.9	23.4	24.6	24.4	22.0	24.0	22.2	22.8	22.7	23.9
24	25.4	23.9	23.2	21.9	23.4	24.4	24.9	24.1	22.8	22.1	23.6	23.1
25	24.0	23.9	24.8	23.8	23.6	24.5	24.4	23.9	23.9	22.4	24.7	23.3
26	24.9	24.3	23.4	24.5	23.4	22.3	24.3	23.1	24.0	22.7	24.2	24.0
27	23.8	23.4	24.2	23.9	22.8	22.7	23.7	22.9	24.1	23.4	23.5	22.4
28	24.4	22.9	23.9	23.1	23.4	22.4	22.3	22.2	24.4	23.9	22.9	22.4
29	23.9		23.4	23.4	23.4	22.8	24.4	22.0	23.7	24.2	23.0	22.4
30	25.0		23.9	23.7	23.6	24.3	24.4	22.1	24.4	23.4	23.0	22.5
31	22.9		24.4		23.6		22.9	22.6		22.3		22.4
Monthly Means.	23.79	23.55	24.07	23.65	24.01	23.72	23.40	23.30	23.60	23.56	23.37	23.83

MAGNETICAL OBSERVATIONS.

EASTERLY DECLINATION. A

HOURLY OBSERVATIONS. — 1° 40' + THE NUMBERS IN THE TABLE.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
JANUARY.	1	11.2	11.0	11.0	10.7	10.2	9.7	9.3	9.1	9.2	9.9	10.9	11.2	—
	2	10.2	10.5	10.2	9.9	9.8	8.5	7.0	7.5	8.6	10.0	11.8	12.6	—
	3	10.9	10.2	10.2	10.0	9.5	8.1	6.8	6.7	7.7	9.9	11.1	11.5	—
	4	10.9	11.0	10.0	9.9	9.9	9.2	8.3	7.2	9.2	10.8	11.2	12.0	—
	5	11.0	10.6	10.2	10.5	10.1	8.6	7.4	7.0	8.4	10.0	11.9	13.2	—
	6	10.8	10.7	10.2	10.2	10.1	9.1	8.3	8.2	9.0	10.7	10.8	11.2	—
	7	10.8	10.7	10.7	10.5	10.2	9.7	8.5	8.2	8.1	8.5	9.5	12.3	—
	8	11.0	10.7	10.7	10.4	10.1	9.5	8.7	8.2	8.6	9.1	8.9	9.3	—
	9	11.0	11.0	10.7	10.0	9.9	9.4	8.2	7.6	7.6	7.8	9.4	11.0	—
	10	9.7	8.4	7.7	9.0	9.5	9.9	10.4	9.9	9.1	9.0	9.7	11.0	—
	11	11.1	11.0	10.8	10.5	10.2	10.8	10.1	9.8	9.9	11.1	11.2	12.1	—
	12	12.3	12.4	12.6	12.6	12.4	12.3	12.7	9.5	8.9	8.1	7.6	8.5	—
	13	11.2	11.2	11.0	10.9	10.9	10.2	10.1	10.3	10.7	11.5	13.3	14.2	—
	14	13.6	13.6	13.5	13.3	13.3	12.4	11.2	12.1	12.5	12.9	13.4	13.5	—
	15	14.4	13.9	13.8	13.5	13.1	12.8	12.5	12.5	13.1	13.3	13.1	12.1	—
	16	13.3	13.3	13.6	13.3	12.8	12.1	11.1	11.0	12.1	12.7	13.5	14.6	—
	17	14.2	14.1	14.0	13.9	13.8	13.6	13.4	13.4	14.4	14.4	14.1	14.1	—
	18	13.8	13.6	13.5	13.4	13.3	12.7	11.9	12.3	13.1	13.3	13.5	13.3	—
	19	13.8	13.6	13.8	13.5	13.5	13.3	12.5	12.1	12.8	13.5	14.2	14.8	—
	20	14.1	14.2	14.1	13.4	13.4	12.5	11.1	11.2	12.1	13.3	13.6	14.1	—
	21	14.2	14.3	13.9	13.6	14.1	13.3	11.6	10.1	10.2	11.6	13.1	14.0	—
	22	13.6	13.6	14.1	14.4	13.5	12.7	11.1	11.0	11.1	11.5	12.1	13.2	—
	23	13.9	14.3	14.4	14.4	13.8	12.9	11.0	9.9	10.6	11.6	12.4	13.6	—
	24	14.7	14.3	14.4	14.0	14.0	13.2	12.5	12.1	12.3	13.3	14.3	15.0	—
	25	13.9	14.2	14.3	14.1	13.6	13.6	11.9	12.1	12.5	13.1	13.3	13.6	—
	26	14.2	14.1	13.6	13.5	13.4	12.6	11.6	11.2	12.4	12.9	13.9	14.6	—
	27	14.3	14.1	14.2	13.8	13.5	13.5	13.4	13.3	14.1	13.6	13.6	13.8	—
	28	13.6	13.4	13.5	13.5	13.3	13.1	12.6	12.4	12.8	13.3	13.4	13.5	—
	29	14.1	13.6	13.5	13.1	12.8	12.9	13.1	11.9	13.8	14.1	14.7	14.8	—
	30	13.6	13.3	13.3	13.1	12.8	11.5	10.9	13.1	13.6	15.4	14.9	15.4	—
	31	13.6	13.5	13.4	12.9	12.5	12.1	12.4	11.9	13.3	13.6	14.4	15.2	—
Hourly Means.		12.68	12.53	12.42	12.25	12.04	11.48	10.70	10.41	11.03	11.74	12.35	13.01	—
Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
JANUARY.	1	11.7	11.8	12.0	11.3	11.2	10.8	10.9	11.0	11.0	10.8	10.6	10.4	10.70
	2	12.8	12.9	13.5	13.4	13.4	12.4	11.3	11.1	11.0	10.8	10.8	10.9	10.87
	3	11.9	12.0	11.5	12.3	12.6	11.2	11.0	11.1	11.3	11.2	10.2	10.9	10.41
	4	12.4	12.1	10.6	10.9	11.5	11.6	11.9	11.2	11.1	11.2	11.1	11.0	10.68
	5	13.2	12.5	12.0	11.7	11.2	11.2	10.7	11.0	11.0	11.0	11.0	11.0	10.68
	6	11.8	11.8	11.8	12.0	11.6	11.6	11.3	11.2	11.2	11.0	11.0	10.5	10.67
	7	14.3	14.1	13.3	12.5	11.3	11.0	11.2	11.0	11.0	11.0	10.8	10.9	10.84
	8	11.9	12.9	12.7	11.9	11.2	11.3	11.7	11.3	11.2	11.1	11.0	11.1	10.60
	9	12.5	13.6	13.4	15.2	17.6	13.4	13.5	12.9	12.4	11.7	11.0	10.6	11.31
	10	12.5	11.9	12.1	12.0	11.7	11.5	11.9	11.3	11.3	10.9	11.0	11.1	10.52
	11	12.9	12.9	13.1	13.1	12.6	12.1	12.3	12.3	12.1	12.3	12.1	12.1	11.60
	12	9.9	11.2	12.4	12.1	11.8	11.5	12.1	12.1	11.9	11.1	10.8	11.1	11.16
	13	14.8	14.8	14.7	14.2	13.8	13.8	14.3	13.8	13.8	13.8	13.6	13.6	12.69
	14	14.7	15.7	15.8	15.9	15.9	15.4	14.7	14.7	14.7	14.7	14.6	14.4	14.02
	15	12.4	13.2	14.4	15.5	15.4	14.8	14.8	14.8	14.6	14.2	13.3	13.4	13.70
	16	15.6	16.4	16.5	16.2	15.9	15.5	15.5	15.2	14.8	14.6	14.3	14.2	14.09
	17	15.0	15.6	15.9	15.6	14.9	14.7	14.7	14.4	14.2	14.1	14.0	13.8	14.35
	18	12.9	13.1	13.9	15.5	15.6	14.9	14.7	14.7	14.4	14.2	14.3	13.9	13.74
	19	15.6	15.7	15.5	15.4	15.4	15.2	14.8	14.6	14.6	14.7	13.3	13.6	14.16
	20	15.1	14.9	15.4	15.2	15.4	14.4	14.4	14.6	14.6	14.4	14.2	13.8	13.90
	21	15.7	16.8	17.0	15.7	14.4	13.5	13.6	13.5	13.9	14.2	14.2	14.1	13.78
	22	15.4	16.5	16.7	16.8	16.1	14.9	14.6	14.3	14.4	13.4	13.5	13.6	13.84
	23	14.7	14.9	15.0	14.8	14.7	14.2	14.4	14.4	14.6	14.6	14.6	14.4	13.67
	24	15.2	14.7	15.1	14.8	14.8	14.8	14.8	14.6	14.4	14.2	14.0	14.1	14.15
	25	14.8	15.6	16.3	16.1	15.8	15.1	14.4	14.6	14.4	14.3	14.2	14.1	14.16
	26	14.9	15.6	16.1	16.8	16.1	15.4	14.7	14.4	14.2	14.3	14.3	14.2	14.13
	27	14.2	14.8	15.8	15.9	15.4	14.2	14.3	14.3	14.4	14.4	14.1	14.0	14.21
	28	14.3	14.6	15.4	16.4	16.5	15.6	14.8	14.7	14.4	14.4	14.3	13.8	14.07
	29	15.5	15.6	14.8	15.6	16.5	15.2	15.2	14.2	14.4	14.4	14.1	13.6	14.23
	30	15.5	14.9	14.4	15.4	15.9	15.6	14.7	14.4	15.5	14.7	14.4	14.0	14.18
	31	15.5	14.8	14.7	14.3	14.2	14.2	14.6	14.4	14.4	14.2	14.1	13.8	13.83
Hourly Means.		13.86	14.13	14.25	14.34	14.21	13.58	13.48	13.29	13.26	13.09	12.86	12.77	12.74

HORIZONTAL FORCE. A.

HOURLY OBSERVATIONS. — 0. 36900 + THE NUMBERS IN THE TABLE.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
J A N U A R Y.	1	264	262	262	261	258	260	272	285	292	318	324	322	—
	2	250	252	257	260	258	252	274	261	267	293	301	306	—
	3	236	241	241	246	247	256	264	271	265	260	265	261	—
	4	245	254	248	241	246	251	258	272	281	277	290	282	—
	5	241	239	231	241	241	241	251	252	259	268	268	264	—
	6	229	233	240	232	236	241	243	241	251	260	270	268	—
	7	240	241	242	244	246	250	256	272	282	295	306	298	—
	8	233	235	239	237	241	240	245	255	264	278	289	289	—
	9	241	241	265	267	272	268	272	279	280	297	289	292	—
	10	118	160	113	159	142	130	154	172	195	183	184	169	—
	11	184	187	186	186	190	194	199	208	221	242	253	254	—
	12	198	201	205	205	206	207	213	222	222	233	241	235	—
	13	203	206	208	208	210	214	220	226	234	247	254	254	—
	14	213	212	215	214	227	230	232	231	244	255	260	260	—
	15	203	213	218	215	217	217	228	238	245	264	263	255	—
	16	178	184	186	193	198	206	222	231	232	252	260	257	—
	17	204	207	210	213	213	215	221	227	236	248	254	250	—
	18	221	222	221	222	225	226	234	232	239	245	251	254	—
	19	215	214	221	222	220	218	221	223	236	245	251	247	—
	20	184	185	194	188	195	194	197	207	211	208	218	223	—
	21	194	197	199	204	203	213	215	222	236	246	248	247	—
	22	208	208	205	213	214	205	214	214	227	247	259	260	—
	23	180	189	198	202	196	204	213	218	223	229	235	231	—
	24	207	206	206	210	211	212	217	223	231	232	240	244	—
	25	210	197	201	205	203	202	208	220	228	228	232	232	—
	26	221	220	222	221	222	226	232	231	235	247	250	242	—
	27	213	215	216	214	216	221	225	226	232	242	246	246	—
	28	202	206	210	210	214	217	221	228	226	223	227	225	—
	29	228	228	229	232	241	245	237	250	231	228	231	221	—
	30	208	221	214	217	216	225	245	233	236	236	228	210	—
	31	198	198	203	207	213	212	201	204	198	217	220	221	—
Hourly Means.		211.9	215.3	216.3	219.0	220.5	222.3	229.2	234.6	240.6	249.8	255.1	252.2	—
Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
J A N U A R Y.	1	303	293	279	263	260	256	256	255	256	256	255	250	273.4
	2	290	294	303	279	248	247	239	230	241	246	233	232	263.0
	3	251	240	235	236	236	241	243	241	238	226	255	243	247.4
	4	264	245	233	232	232	227	225	228	235	214	224	232	247.3
	5	256	250	242	239	237	241	241	232	232	238	235	224	244.3
	6	258	255	241	226	230	232	234	236	232	236	235	241	241.7
	7	289	278	273	258	247	243	244	243	242	241	237	232	258.3
	8	276	260	245	240	239	240	232	234	234	234	237	240	248.1
	9	292	279	270	279	73	132	117	160	148	173	176	184	231.1
	10	153	144	147	153	166	166	164	167	166	175	175	182	159.9
	11	241	246	227	219	209	203	197	197	194	203	207	199	210.3
	12	227	217	211	206	206	207	203	206	203	204	202	207	212.0
	13	254	242	225	217	211	210	209	211	211	212	212	212	221.3
	14	249	239	229	223	221	222	210	202	203	214	213	203	225.9
	15	250	251	228	217	208	190	185	160	163	152	175	177	213.8
	16	251	237	232	231	212	213	197	201	200	200	209	213	216.5
	17	245	237	232	228	223	217	213	216	217	217	218	219	224.2
	18	246	226	213	206	207	211	212	209	213	213	213	214	224.0
	19	236	236	229	217	203	184	166	155	156	148	184	164	208.8
	20	213	206	198	187	189	194	193	194	193	189	194	197	198.0
	21	234	225	220	218	214	208	202	194	199	194	202	203	214.0
	22	251	242	233	219	217	210	212	212	198	187	166	165	216.1
	23	227	221	214	203	197	202	202	202	202	197	197	204	207.8
	24	240	234	225	214	210	212	212	203	195	197	194	197	215.5
	25	230	226	215	212	210	208	210	216	217	221	219	219	215.4
	26	232	227	224	216	215	209	208	198	198	208	213	212	222.0
	27	240	233	216	217	212	204	203	198	193	190	191	194	216.8
	28	225	221	219	217	214	214	218	223	222	222	226	232	219.3
	29	211	185	193	206	169	161	171	192	184	193	205	208	211.6
	30	215	204	199	196	178	183	181	160	170	175	182	188	205.0
	31	219	219	222	216	212	202	203	203	204	208	208	208	209.0
Hourly Means.		244.1	235.9	228.1	222.3	209.8	209.3	206.5	205.7	205.1	205.9	209.4	209.5	223.3

VERTICAL FORCE. A.

HOURLY OBSERVATIONS. — 0.19700+ THE NUMBERS IN THE TABLE.

Mean Batavia Time.	1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—	
J A N U A R Y.	1	141	146	144	144	148	148	147	142	135	122	117	117	—
	2	149	147	142	141	143	160	146	137	111	88	92	89	—
	3	147	141	141	139	141	144	141	128	117	112	109	111	—
	4	140	132	138	141	137	140	135	140	98	109	109	125	—
	5	134	135	140	136	135	147	140	129	112	91	81	85	—
	6	141	136	132	136	135	137	133	122	103	104	103	101	—
	7	135	134	133	130	130	135	130	139	131	117	97	81	—
	8	165	160	156	156	154	161	160	148	131	125	123	111	—
	9	163	162	142	147	146	154	161	155	140	140	140	128	—
	10	252	216	258	209	203	211	198	196	198	199	189	180	—
	11	190	190	191	191	189	190	202	187	182	163	140	134	—
	12	188	184	180	180	179	180	182	172	172	166	158	158	—
	13	195	190	187	186	184	182	184	180	179	167	172	177	—
	14	188	187	186	186	182	182	190	204	188	173	168	174	—
	15	214	205	202	204	203	204	210	204	202	190	197	203	—
	16	222	218	216	211	209	214	207	192	178	169	169	168	—
	17	214	210	208	205	204	206	209	172	159	160	158	156	—
	18	185	185	187	187	187	192	192	182	175	167	167	172	—
	19	191	190	186	185	186	191	195	184	171	158	158	160	—
	20	198	197	195	209	204	214	204	184	180	176	166	156	—
	21	198	192	192	190	193	197	199	203	188	178	169	161	—
	22	203	203	203	196	198	211	215	210	192	155	131	129	—
	23	221	209	200	201	203	210	209	215	203	186	168	164	—
	24	213	215	215	211	210	215	217	199	193	182	164	153	—
	25	198	208	204	202	204	204	199	197	196	191	184	169	—
	26	204	204	202	201	199	204	203	198	180	160	153	146	—
	27	206	206	205	206	206	202	210	203	204	199	203	204	—
	28	201	197	196	196	194	195	196	201	199	203	203	198	—
	29	206	206	207	204	199	198	208	209	213	214	210	227	—
	30	215	215	215	215	216	220	203	200	203	208	212	226	—
	31	220	220	217	217	214	220	224	221	215	188	183	178	—

Hourly Means.	188.3	185.2	184.5	182.6	181.8	186.1	185.5	178.2	169.3	160.0	154.6	152.9	—
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Mean Batavia Time.	1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.	
J A N U A R Y.	1	122	129	142	154	161	160	154	153	150	149	148	148	142.5
	2	97	87	87	116	143	146	155	160	150	152	154	147	130.8
	3	118	125	123	112	120	129	136	141	147	154	135	141	131.3
	4	145	166	166	156	143	148	152	150	147	160	148	143	139.1
	5	99	117	136	142	139	135	139	144	143	138	141	146	128.5
	6	114	129	133	135	134	132	136	137	141	141	141	136	128.8
	7	86	117	144	171	179	174	166	164	164	165	167	166	139.8
	8	112	134	154	166	164	162	168	167	168	169	167	164	151.9
	9	113	138	166	138	326	283	262	210	222	210	206	192	176.8
	10	173	178	185	178	178	184	189	196	197	195	198	192	198.0
	11	138	147	159	179	187	190	190	190	191	187	186	190	178.5
	12	177	196	210	210	208	203	196	194	195	196	197	192	186.4
	13	167	178	192	198	198	193	191	190	188	188	187	188	185.0
	14	174	184	188	191	194	200	209	220	215	203	204	213	191.8
	15	198	186	191	197	216	227	229	245	239	244	227	222	210.8
	16	179	186	192	186	199	211	221	220	218	218	210	208	200.9
	17	154	163	174	183	192	191	190	185	184	184	184	185	184.6
	18	180	186	179	172	178	189	192	196	194	195	195	192	184.4
	19	174	195	204	210	218	229	239	239	238	199	217	207	196.8
	20	166	168	174	183	186	190	196	197	202	203	202	198	189.5
	21	161	177	183	198	210	210	210	217	212	214	208	207	194.5
	22	129	122	140	154	174	197	201	203	215	230	241	233	186.9
	23	168	180	195	204	215	214	214	215	215	221	223	215	202.8
	24	156	167	167	178	190	190	196	203	212	210	215	211	195.1
	25	160	165	180	198	206	214	210	203	203	202	204	208	196.2
	26	166	173	163	174	191	204	204	214	217	210	204	206	190.8
	27	212	210	204	204	210	212	210	210	210	210	209	207	206.8
	28	188	189	185	186	192	205	203	200	203	204	204	203	197.5
	29	213	211	204	205	238	252	238	225	227	222	217	215	215.3
	30	229	232	227	219	227	228	226	247	235	235	231	223	221.1
	31	189	193	199	215	223	227	219	217	215	213	213	212	210.5

Hourly Means.	156.7	165.4	172.5	177.8	191.6	194.5	194.9	195.2	195.3	194.2	193.0	190.6	180.5
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EASTERLY DECLINATION. A.

HOURLY OBSERVATIONS. — 1° 40' 0 + THE NUMBERS IN THE TABLE.

Mean Batavia Time.		1 A.M.	2	3	4	5	6	7	8	9	10	11	12	—
FEBRUARY.	1	11.8	11.8	12.0	11.7	11.7	11.3	10.3	11.1	11.5	12.2	12.6	12.6	—
	2	11.8	11.8	12.1	11.7	11.1	10.6	10.5	10.1	10.5	11.5	12.5	13.9	—
	3	12.2	11.8	11.7	11.4	10.8	10.3	9.5	10.3	11.0	12.1	12.1	12.3	—
	4	12.6	12.5	12.3	12.0	11.7	10.3	9.2	9.4	10.5	12.4	13.4	14.4	—
	5	11.7	11.7	10.6	11.4	11.4	10.7	9.4	9.1	9.8	11.5	12.5	13.0	—
	6	12.4	11.7	11.8	11.7	11.7	10.6	10.0	10.1	10.5	11.4	12.2	13.9	—
	7	12.2	12.1	11.8	11.6	11.6	11.0	10.0	10.3	10.7	11.7	13.1	14.6	—
	8	12.6	12.6	12.2	11.8	11.7	10.9	10.0	9.2	9.5	10.6	11.6	12.2	—
	9	11.8	12.0	11.8	11.7	11.6	10.7	10.0	9.8	10.7	11.6	12.4	12.8	—
	10	12.0	12.1	12.0	11.7	11.6	10.9	10.3	10.0	9.5	9.3	9.5	11.1	—
	11	12.0	11.6	11.5	11.5	11.3	10.7	9.4	7.9	8.0	9.4	11.5	14.5	—
	12	12.4	12.0	12.2	11.7	11.8	10.8	9.3	9.2	10.1	11.4	12.3	13.3	—
	13	11.8	11.8	11.8	11.6	11.4	10.3	9.1	8.7	9.5	10.5	11.4	13.7	—
	14	11.8	11.8	11.8	11.6	11.5	11.3	10.9	10.7	11.1	11.3	12.1	12.8	—
	15	11.7	11.6	11.6	11.5	11.3	10.8	10.6	10.6	11.0	11.4	11.6	13.1	—
	16	11.8	11.6	11.5	11.5	11.1	10.6	9.4	9.1	9.4	10.2	10.8	11.6	—
	17	11.8	11.8	11.5	11.7	12.5	11.3	11.6	11.1	11.0	10.9	11.4	11.7	—
	18	12.2	12.1	11.6	11.5	11.5	10.6	9.3	8.3	9.4	11.1	12.6	13.6	—
	19	12.0	11.7	11.7	11.5	10.8	10.3	9.3	7.7	10.0	12.4	14.7	14.4	—
	20	12.3	12.1	12.1	11.8	12.0	11.4	9.0	7.7	8.2	9.2	11.6	12.3	—
	21	8.9	9.1	9.4	9.8	10.6	10.2	10.1	10.7	9.1	9.3	11.0	12.5	—
	22	8.2	9.1	9.4	10.0	10.5	10.6	10.3	9.4	10.1	10.6	11.0	12.1	—
	23	12.0	11.6	11.1	11.3	11.8	11.6	10.5	9.7	11.4	11.1	12.1	12.8	—
	24	11.6	11.6	11.8	11.7	11.7	11.8	11.5	10.7	10.7	11.6	12.3	13.0	—
	25	11.3	10.8	11.5	11.3	11.4	10.8	9.8	9.9	10.5	11.3	11.5	12.2	—
	26	11.6	11.5	11.6	11.5	11.4	11.0	10.6	9.7	9.5	10.2	11.3	11.6	—
	27	11.5	11.1	11.3	11.1	11.0	10.7	10.3	10.6	11.7	13.7	15.0	15.7	—
	28	11.5	11.3	11.3	11.0	11.3	10.5	10.2	9.4	10.1	11.1	12.4	13.4	—
Hourly Means.		11.70	11.58	11.54	11.44	11.42	10.81	10.01	9.66	10.18	11.11	12.09	13.04	—
Mean Batavia Time.		1 P.M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
FEBRUARY.	1	12.1	12.2	12.9	13.7	14.0	13.7	13.1	13.0	12.9	12.6	12.4	12.0	12.30
	2	13.8	13.6	13.3	12.9	12.8	12.8	12.6	12.5	12.8	12.4	12.2	12.1	12.16
	3	13.0	13.6	13.7	13.3	13.4	13.3	12.8	12.8	12.6	12.6	12.6	12.6	12.16
	4	14.8	15.1	15.0	14.1	13.1	12.6	12.6	12.2	12.1	12.2	12.2	12.2	12.45
	5	13.8	14.5	14.7	14.8	13.0	12.6	12.1	12.0	12.0	11.6	11.7	12.2	12.00
	6	15.0	15.0	14.9	14.0	13.6	12.8	12.6	12.5	12.4	12.4	12.3	11.8	12.39
	7	14.8	14.5	14.7	14.6	13.9	13.8	13.3	12.9	12.8	12.6	12.6	12.2	12.64
	8	12.5	12.6	13.1	13.4	13.4	12.4	11.8	12.5	12.3	12.2	11.7	11.7	11.85
	9	13.3	13.7	14.3	13.7	12.9	12.5	12.5	12.5	12.4	12.3	12.0	11.8	12.12
	10	12.5	14.0	15.7	16.4	15.1	13.8	13.0	12.9	11.7	12.2	12.0	11.8	12.13
	11	14.1	14.1	14.0	13.8	14.0	13.6	13.1	13.2	12.1	12.4	12.0	12.3	12.00
	12	13.8	14.5	14.9	14.3	12.9	12.4	12.4	12.2	12.2	12.1	11.8	11.8	12.16
	13	14.8	14.0	13.6	13.4	13.2	12.8	12.4	12.2	12.0	12.0	11.8	11.8	11.90
	14	13.9	14.1	14.1	13.8	13.1	12.5	12.3	12.1	12.1	11.8	11.7	11.7	12.16
	15	14.3	14.9	14.3	13.6	13.6	12.8	12.4	12.1	12.5	12.4	12.1	11.7	12.24
	16	12.1	12.4	12.8	13.1	13.0	12.0	11.8	12.1	12.3	12.4	12.5	11.6	11.53
	17	11.7	12.4	12.5	12.5	12.6	12.8	12.6	12.6	12.5	12.4	12.3	11.8	11.96
	18	13.6	13.6	13.6	13.3	13.1	12.5	12.3	12.3	12.2	12.5	12.4	12.4	11.98
	19	14.6	14.6	15.0	14.4	13.6	12.9	12.4	12.3	12.3	11.1	12.2	12.2	12.25
	20	13.0	13.7	13.8	13.6	13.6	12.6	12.5	12.3	12.0	11.5	11.8	11.8	11.75
	21	13.1	13.0	13.1	13.1	13.1	12.6	12.2	12.2	12.3	12.0	11.5	11.6	11.27
	22	12.6	12.4	11.7	11.6	12.2	12.4	11.7	12.0	12.0	11.8	10.9	11.1	11.00
	23	13.1	13.1	12.6	12.6	12.8	12.4	12.0	12.1	11.8	11.8	11.8	11.7	11.87
	24	13.2	12.9	12.6	12.4	12.4	12.3	12.0	11.8	11.7	11.5	11.5	11.5	11.91
	25	13.1	13.3	13.7	13.6	13.4	13.0	12.4	12.2	12.1	11.7	11.6	11.5	11.85
	26	12.2	12.8	12.9	12.9	12.6	12.5	12.2	12.2	12.0	11.5	11.5	11.5	11.60
	27	15.9	15.4	13.9	12.8	12.6	12.9	12.8	12.5	11.8	11.7	11.5	11.5	12.46
	28	13.7	13.3	12.6	12.4	12.4	12.3	11.8	11.6	11.7	11.8	11.7	11.7	11.69
Hourly Means.		13.51	13.71	13.71	13.50	13.19	12.77	12.43	12.36	12.20	12.05	11.94	11.85	11.99

HORIZONTAL FORCE. A.

HOURLY OBSERVATIONS. — 0.36900 + THE NUMBERS IN THE TABLE.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
FEBRUARY.	1	204	206	207	209	217	217	220	217	230	232	236	233	—
	2	215	212	210	216	226	222	232	236	241	246	250	239	—
	3	203	203	207	214	215	216	227	236	254	260	270	269	—
	4	203	209	216	215	217	223	231	238	240	246	240	236	—
	5	221	221	213	206	211	217	223	231	238	246	246	251	—
	6	203	200	207	201	208	207	212	218	230	237	236	231	—
	7	212	211	205	214	210	213	221	229	236	216	253	245	—
	8	220	220	222	220	221	223	228	232	238	238	240	231	—
	9	216	212	213	215	217	219	225	232	241	242	245	245	—
	10	223	223	224	225	225	234	237	243	251	266	266	273	—
	11	211	211	204	207	215	223	229	237	246	231	232	210	—
	12	197	202	221	207	200	206	212	227	234	242	251	242	—
	13	209	212	213	212	212	213	216	222	235	254	266	260	—
	14	221	222	220	220	219	221	225	234	250	261	264	265	—
	15	225	225	221	226	230	231	237	244	252	263	274	279	—
	16	217	225	229	235	236	239	246	244	255	262	271	269	—
	17	204	198	197	199	203	212	216	212	223	225	226	223	—
	18	198	220	217	215	218	220	228	232	235	235	238	233	—
	19	207	198	211	214	215	218	214	230	232	233	222	225	—
	20	209	206	230	203	205	205	212	215	220	228	224	225	—
	21	208	212	211	225	210	212	225	242	251	258	256	250	—
	22	193	198	184	194	203	206	214	227	232	230	224	220	—
	23	191	220	205	199	204	202	211	230	232	250	241	240	—
	24	208	209	211	214	216	218	222	231	242	250	256	257	—
	25	223	236	217	219	218	223	244	236	250	262	274	264	—
	26	225	225	226	224	226	231	235	242	251	268	274	275	—
	27	220	223	222	222	228	231	238	249	260	267	266	269	—
	28	213	216	213	218	216	217	222	228	241	249	256	259	—
Hourly Means.		210.7	213.4	213.4	213.9	215.8	218.5	225.1	231.9	240.7	247.4	249.9	247.1	—
Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
FEBRUARY.	1	231	230	229	223	216	212	219	207	215	217	219	212	219.1
	2	232	217	210	211	218	220	222	213	191	200	186	192	219.2
	3	259	244	232	224	218	217	214	205	205	204	202	196	224.8
	4	220	221	212	209	214	217	216	217	222	225	224	222	222.2
	5	244	241	213	190	194	198	198	198	193	216	204	201	217.3
	6	230	222	213	209	209	214	215	214	215	213	213	215	215.5
	7	234	236	225	208	208	209	214	215	213	216	214	216	221.0
	8	224	225	227	222	219	208	193	192	200	204	209	220	219.8
	9	243	238	233	227	227	226	222	222	223	227	229	224	227.6
	10	251	235	206	184	169	188	194	176	175	188	196	198	218.8
	11	214	217	212	210	199	205	206	203	206	176	184	191	211.6
	12	240	228	217	207	208	205	203	203	202	205	208	210	215.7
	13	260	254	242	233	226	223	219	221	222	220	219	217	228.3
	14	255	246	240	234	226	222	222	225	223	222	222	224	232.6
	15	267	251	244	234	231	227	221	218	206	203	211	214	234.8
	16	263	252	244	206	208	212	209	213	217	209	205	210	232.3
	17	207	180	183	182	194	198	205	205	206	204	189	199	203.8
	18	236	226	214	202	213	217	213	203	210	207	206	228	219.3
	19	223	218	214	206	211	217	206	188	195	221	205	206	213.7
	20	220	208	198	194	187	197	203	202	210	209	209	208	209.5
	21	241	228	218	212	202	209	216	216	204	201	202	191	220.8
	22	211	208	203	194	202	213	211	203	198	194	206	184	206.3
	23	235	214	208	199	199	207	211	204	203	206	207	207	213.5
	24	249	238	230	223	221	224	223	222	225	232	235	220	228.2
	25	260	244	230	217	208	217	222	222	222	223	224	224	232.5
	26	268	258	247	244	241	236	226	211	206	207	213	220	236.6
	27	252	236	226	225	218	203	191	190	198	203	209	207	227.2
	28	254	250	237	232	226	222	220	222	217	217	216	220	228.4
Hourly Means.		240.1	230.9	221.7	212.9	211.1	213.0	211.9	208.2	208.0	209.6	209.5	209.9	221.4

VERTICAL FORCE. A.

HOURLY OBSERVATIONS. — 0.19700 + THE NUMBERS IN THE TABLE.

Mean Batavia Time.	1 A. M.	2	3	4	5	6	7 .	8	9	10	11	12	—	
FEBRUARY.	1	222	221	218	217	211	217	216	212	209	205	199	190	—
	2	221	222	223	219	215	220	216	214	205	195	189	179	—
	3	227	224	222	217	222	228	215	200	193	183	169	178	—
	4	224	216	211	212	212	217	203	181	171	164	168	179	—
	5	216	213	218	222	217	215	215	210	191	186	185	188	—
	6	224	227	222	226	220	228	225	216	199	179	154	140	—
	7	219	219	222	214	217	220	216	195	181	165	149	160	—
	8	211	210	210	210	210	211	210	202	193	178	170	176	—
	9	207	209	205	203	202	205	199	185	165	159	154	157	—
	10	202	201	199	199	198	197	199	227	219	205	197	176	—
	11	218	221	224	223	217	217	218	211	195	195	189	202	—
	12	224	221	211	217	227	224	219	215	203	194	174	174	—
	13	224	224	224	224	224	230	228	216	197	179	173	162	—
	14	222	220	222	222	224	222	223	214	204	197	190	193	—
	15	214	213	217	211	211	210	210	211	200	182	165	148	—
	16	214	209	209	205	206	210	212	203	192	189	186	191	—
	17	224	228	228	224	222	215	223	240	233	234	226	221	—
	18	229	217	221	221	222	226	225	213	200	189	182	193	—
	19	219	228	217	213	217	219	224	210	185	167	172	169	—
	20	210	212	197	217	217	219	225	222	201	181	173	168	—
	21	213	210	211	203	216	217	217	216	206	191	178	179	—
	22	235	226	234	223	215	215	217	211	208	210	216	217	—
	23	231	217	218	224	220	216	221	206	198	193	197	201	—
	24	217	217	216	212	211	209	209	197	182	167	160	160	—
	25	213	205	216	211	210	205	191	190	173	161	156	165	—
	26	204	204	203	203	202	201	206	214	205	180	161	162	—
	27	212	211	211	211	210	209	205	179	166	155	157	167	—
	28	209	206	210	207	209	210	211	206	189	176	172	178	—
Hourly Means.	218.0	216.1	215.7	214.6	214.4	215.4	214.2	207.7	195.1	184.3	177.2	177.6	—	

Mean Batavia Time.	1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.	
FEBRUARY.	1	185	189	190	188	199	217	215	224	221	218	218	223	209.3
	2	184	203	207	209	202	211	216	224	236	233	242	237	213.4
	3	178	189	195	203	210	211	216	226	229	224	227	229	209.0
	4	189	199	211	207	205	210	211	213	211	210	211	215	202.1
	5	190	185	209	240	236	233	231	236	236	223	226	228	214.5
	6	146	173	193	206	217	217	215	217	218	219	221	218	205.0
	7	171	174	192	211	210	209	207	210	212	211	214	215	200.5
	8	181	174	167	179	196	221	229	228	219	212	212	205	200.6
	9	154	158	170	191	195	198	201	202	201	194	199	202	188.1
	10	185	192	210	229	245	239	233	244	242	236	228	228	213.8
	11	203	205	210	212	219	219	223	225	228	246	242	230	216.3
	12	180	191	215	233	237	236	233	232	233	228	227	227	215.6
	13	168	191	205	211	219	224	227	225	223	222	224	224	211.2
	14	197	210	217	222	230	224	218	216	215	216	216	215	214.5
	15	159	181	206	210	217	224	226	223	230	229	222	217	205.7
	16	197	202	203	227	229	228	227	222	218	220	224	222	210.2
	17	221	224	217	221	210	215	221	224	226	228	240	232	224.9
	18	193	194	199	202	203	210	216	227	223	219	218	205	210.3
	19	182	183	187	193	200	206	218	233	229	219	215	215	205.2
	20	176	183	192	194	203	205	206	210	210	213	215	215	202.7
	21	196	209	206	201	205	210	211	211	222	227	221	232	208.7
	22	227	230	229	227	213	205	216	224	223	226	227	234	221.2
	23	209	225	229	226	222	216	217	220	222	219	219	221	216.1
	24	178	192	200	204	207	205	205	207	207	203	203	213	199.2
	25	154	172	189	198	209	207	203	203	204	204	204	204	193.6
	26	172	184	191	196	202	209	217	226	227	224	221	211	201.0
	27	185	203	210	211	216	223	234	230	222	217	210	211	202.7
	28	190	201	210	211	210	216	216	215	216	216	216	213	204.7
Hourly Means.	183.9	193.6	202.1	209.4	213.1	216.0	218.1	221.3	221.5	219.9	220.1	219.3	207.9	

EASTERLY DECLINATION. A.
HOURLY OBSERVATIONS. — 1° 40'.0 + THE NUMBERS IN THE TABLE.

Mean Batavia Time.	1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—	
M A R C H.	1	12.6	12.6	12.3	12.2	11.4	11.2	10.8	9.8	10.1	10.6	11.6	12.4	—
	2	12.5	12.5	12.6	12.3	12.2	11.7	11.1	10.1	9.9	10.4	12.0	13.1	—
	3	12.6	12.5	12.6	12.3	12.2	10.9	9.5	8.9	9.8	11.1	12.5	13.7	—
	4	12.3	12.5	12.3	11.7	11.5	10.8	10.2	10.2	10.9	12.6	15.0	16.6	—
	5	12.4	12.4	12.4	12.2	12.0	11.1	10.0	9.1	10.0	11.6	13.1	13.6	—
	6	12.3	12.4	12.4	12.2	11.7	11.4	10.3	9.3	10.4	12.3	14.0	15.0	—
	7	12.5	12.2	12.2	11.2	11.1	10.8	8.6	10.1	10.4	11.4	12.2	12.6	—
	8	12.6	12.5	12.3	11.6	11.2	10.7	10.1	8.4	9.9	11.8	14.1	15.6	—
	9	12.4	12.4	12.3	12.0	11.6	11.0	9.5	8.6	9.7	11.5	13.8	15.3	—
	10	12.4	12.5	12.3	12.3	12.0	11.4	10.2	8.9	9.1	10.4	13.4	15.4	—
	11	12.4	12.4	12.5	12.5	12.0	11.8	10.9	9.5	9.2	9.7	10.1	11.5	—
	12	12.3	12.3	12.3	12.2	12.0	11.7	10.7	10.3	10.2	10.3	10.8	11.0	—
	13	12.2	12.2	12.0	11.9	11.7	11.5	11.4	10.9	11.5	11.8	12.7	13.3	—
	14	12.3	12.2	12.2	11.8	11.6	11.7	11.5	11.4	11.4	12.0	12.2	12.4	—
	15	11.9	12.0	12.2	12.0	11.9	11.5	11.2	10.8	11.6	12.6	12.9	13.3	—
	16	12.3	12.4	12.4	12.4	12.4	12.4	11.6	11.2	11.2	12.4	13.5	13.5	—
	17	12.4	11.6	12.3	12.0	12.4	13.0	13.2	12.5	12.6	12.4	12.6	13.0	—
	18	12.5	12.9	12.5	12.0	12.5	13.6	12.9	11.5	12.6	12.4	12.2	12.4	—
	19	12.4	12.0	11.5	12.4	13.3	13.0	12.5	12.0	11.7	12.0	12.7	12.6	—
	20	11.8	11.9	12.0	12.0	13.2	12.4	13.4	11.2	12.6	12.5	13.5	13.6	—
	21	12.4	12.5	12.6	12.0	12.2	11.9	11.2	10.2	10.4	11.2	12.2	12.5	—
	22	12.7	12.6	12.9	12.6	12.5	12.2	11.0	9.6	10.4	11.2	13.3	14.3	—
	23	12.5	12.7	12.7	13.2	12.6	12.7	12.5	9.1	8.3	9.2	10.9	12.4	—
	24	12.3	12.0	11.5	11.4	11.2	10.7	9.7	8.9	9.6	11.2	12.4	13.0	—
	25	12.6	12.5	12.4	12.2	12.0	11.2	10.8	9.2	9.2	9.9	11.5	12.5	—
	26	12.7	12.7	12.6	12.6	12.5	12.2	11.7	10.0	10.0	11.6	12.9	14.0	—
	27	12.2	12.4	12.5	12.5	13.6	12.0	12.3	10.8	11.7	12.3	13.0	13.7	—
	28	12.3	12.4	12.6	12.4	12.4	12.4	13.0	11.6	12.0	12.3	12.5	12.9	—
	29	12.2	12.3	12.6	12.4	12.2	11.4	11.6	10.4	10.9	11.7	12.3	12.9	—
	30	12.4	12.5	12.3	12.2	11.6	11.4	11.4	10.4	10.2	10.6	11.4	12.3	—
	31	11.2	11.0	12.3	13.4	13.4	13.3	14.1	13.8	11.9	11.1	13.8	14.8	—
Hourly Means.	12.34	12.32	13.24	12.20	12.13	11.77	11.25	10.28	10.63	11.42	12.62	13.39	—	
Mean Batavia Time.	1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.	
M A R C H.	1	12.6	12.7	13.2	12.7	13.3	12.9	12.7	12.7	12.9	12.6	12.5	12.5	12.12
	2	13.6	13.4	13.5	13.5	13.3	12.7	12.9	12.6	12.7	12.7	12.7	12.5	12.35
	3	14.9	15.0	14.6	14.5	13.8	13.5	13.5	13.6	13.3	12.5	12.5	12.0	12.60
	4	18.2	17.3	15.8	14.8	14.4	13.1	13.1	12.7	12.5	12.4	12.3	12.4	13.15
	5	14.4	15.1	15.6	14.8	14.4	13.4	13.0	12.7	12.7	12.5	12.4	12.4	12.64
	6	14.9	15.2	15.0	15.0	14.6	14.0	13.1	13.4	13.4	12.5	13.0	12.4	12.93
	7	12.7	13.4	14.5	14.8	14.5	14.0	13.5	13.5	13.2	12.7	12.5	12.6	12.38
	8	15.9	15.7	14.9	14.4	13.6	13.2	13.1	12.7	12.6	12.5	12.2	12.4	12.67
	9	15.7	15.9	15.6	14.6	13.5	13.1	12.7	12.7	12.5	12.5	12.5	12.4	12.66
	10	15.6	15.3	14.8	13.5	13.3	13.1	13.5	13.2	12.4	12.5	12.4	12.5	12.60
	11	13.3	14.6	14.8	14.6	13.7	13.4	13.3	12.9	12.5	12.3	12.4	12.4	12.28
	12	11.2	13.0	14.0	14.0	13.8	13.3	12.9	12.9	12.7	12.4	12.4	12.3	12.13
	13	14.1	13.7	13.6	13.3	13.0	13.0	13.1	12.7	12.7	12.5	12.3	12.3	12.48
	14	12.7	13.4	13.8	13.8	14.5	13.5	12.9	12.7	12.4	12.4	12.2	12.0	12.47
	15	13.2	12.4	12.6	13.2	13.6	13.4	12.7	12.5	12.4	12.4	12.4	12.3	12.38
	16	13.7	13.7	13.5	13.6	13.5	14.1	13.3	13.2	12.4	11.7	12.2	12.0	12.69
	17	12.9	12.7	13.6	14.0	14.8	14.2	13.3	12.4	12.7	12.9	12.5	12.4	12.85
	18	12.2	11.7	12.5	12.7	13.5	13.1	12.6	12.6	12.0	12.4	12.4	12.2	12.50
	19	13.2	12.5	12.2	12.2	12.9	13.3	12.6	12.7	12.7	12.7	12.4	12.3	12.49
	20	13.5	13.3	13.3	12.6	12.4	12.2	12.5	12.4	12.4	12.4	12.2	12.4	12.57
	21	13.3	13.4	13.4	12.7	12.6	12.7	12.3	12.4	12.5	12.5	12.5	12.4	12.25
	22	13.8	14.3	13.7	13.2	13.1	12.6	11.9	12.1	12.3	12.2	12.3	12.4	12.48
	23	13.7	14.0	13.5	12.5	12.5	12.4	12.7	12.4	12.5	12.6	12.6	12.3	12.19
	24	14.0	15.1	14.8	13.8	12.9	12.5	12.2	11.8	11.5	12.3	12.5	12.4	12.07
	25	13.0	13.8	14.0	13.6	13.3	12.6	12.6	12.4	12.4	12.3	12.4	12.5	12.12
	26	14.3	14.1	13.7	13.6	13.3	12.7	12.4	12.3	12.3	12.3	12.3	12.4	12.55
	27	13.7	13.7	14.1	13.8	13.6	13.5	12.7	12.4	12.5	12.4	11.6	12.2	12.72
	28	12.9	12.7	13.3	13.5	13.5	13.2	12.6	12.4	12.4	12.3	12.2	11.9	12.57
	29	14.6	14.0	14.1	13.6	13.8	13.7	13.2	12.6	12.4	12.3	12.4	12.4	12.58
	30	13.6	14.2	15.0	13.3	14.4	16.3	15.3	12.6	12.3	13.4	13.4	12.0	12.69
	31	14.5	14.3	14.8	14.3	13.3	12.6	11.4	12.2	12.9	10.8	12.6	11.5	12.89
Hourly Means.	13.87	13.99	14.06	13.69	13.57	13.27	12.89	12.67	12.55	12.42	12.43	12.29	12.52	

HORIZONTAL FORCE. A.

HOURLY OBSERVATIONS. — 0. 36900 + THE NUMBERS IN THE TABLE.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
M A R C H.	1	221	222	224	228	236	238	245	256	258	266	267	263	—
	2	219	226	229	226	227	227	225	232	241	257	256	251	—
	3	219	222	222	223	225	241	245	258	268	273	268	268	—
	4	185	194	194	199	202	204	208	214	227	233	246	248	—
	5	207	208	207	208	208	210	217	232	251	268	274	276	—
	6	220	218	221	221	221	228	227	241	260	274	289	282	—
	7	212	213	211	216	211	220	223	245	260	268	273	263	—
	8	201	198	198	203	209	211	223	235	247	258	265	269	—
	9	209	208	210	213	213	213	224	241	254	264	270	258	—
	10	208	209	212	214	214	214	216	223	240	261	258	245	—
	11	213	213	216	216	218	216	214	226	236	247	267	266	—
	12	208	216	214	221	219	221	222	225	226	237	248	256	—
	13	217	219	216	216	221	221	221	237	253	268	275	275	—
	14	212	218	220	221	224	224	222	223	237	240	249	251	—
	15	216	219	220	217	221	229	235	245	259	261	270	260	—
	16	211	210	210	219	213	210	213	222	241	253	244	247	—
	17	179	179	184	186	185	197	200	197	205	216	226	223	—
	18	184	185	187	207	203	199	207	226	206	215	209	199	—
	19	186	185	179	176	176	180	178	188	204	215	217	223	—
	20	190	195	194	194	200	196	184	237	234	230	240	244	—
	21	220	225	221	232	225	228	232	237	252	258	267	269	—
	22	209	215	216	230	227	215	206	226	228	241	244	239	—
	23	206	206	206	211	220	205	209	224	228	244	249	241	—
	24	190	201	208	216	214	210	219	235	249	258	268	256	—
	25	224	223	220	218	220	226	235	244	256	282	271	274	—
	26	211	211	214	214	217	224	225	235	252	271	283	274	—
	27	220	219	219	221	222	235	233	235	229	235	245	254	—
	28	209	207	214	224	220	221	219	243	254	263	273	269	—
	29	216	224	209	225	225	231	232	251	253	254	273	268	—
	30	216	219	219	223	225	228	237	250	256	263	273	282	—
	31	106	106	131	99	86	97	130	125	130	159	159	152	—
Hourly Means.		204.6	206.9	207.9	210.9	211.2	213.5	217.0	229.3	238.5	249.4	255.4	253.1	—
Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
M A R C H.	1	249	239	232	230	225	222	221	221	216	214	222	216	234.6
	2	241	231	222	218	214	213	210	211	214	212	211	213	226.1
	3	258	255	245	236	233	225	208	161	167	186	203	186	229.0
	4	245	227	220	216	204	206	200	203	205	205	204	205	212.3
	5	263	251	242	229	220	218	213	218	217	222	220	216	229.0
	6	267	251	238	230	227	222	208	205	207	217	208	212	233.1
	7	255	242	225	208	192	178	192	183	172	197	180	205	218.5
	8	259	233	218	213	212	211	207	207	206	206	212	215	221.5
	9	245	237	227	213	199	206	213	205	204	213	210	209	223.3
	10	236	231	224	219	204	196	189	177	207	202	204	209	217.2
	11	264	246	240	227	217	216	207	206	211	211	208	206	225.3
	12	261	246	227	222	229	222	217	213	217	217	218	218	225.8
	13	262	244	222	219	216	216	209	210	203	204	209	211	227.7
	14	253	237	225	222	219	218	217	214	208	205	208	212	224.1
	15	246	226	217	210	204	204	202	207	204	205	205	206	224.5
	16	236	213	204	197	202	179	170	156	165	187	174	187	206.8
	17	220	203	183	179	165	180	179	184	173	170	179	184	190.7
	18	196	179	176	171	178	174	184	173	202	184	188	187	192.5
	19	207	180	186	184	180	169	180	183	179	182	185	185	187.8
	20	210	203	206	170	188	178	194	212	202	211	212	211	205.6
	21	248	225	210	217	216	213	207	203	203	210	211	213	226.8
	22	233	211	195	189	179	172	180	193	201	199	203	204	210.6
	23	235	220	206	211	207	190	164	164	131	96	161	171	200.2
	24	221	223	220	216	206	212	219	204	215	214	209	206	220.4
	25	260	233	223	216	212	206	201	206	202	215	216	210	228.9
	26	266	249	237	230	226	225	224	225	224	220	221	225	233.5
	27	252	242	226	219	210	206	206	211	212	209	226	216	225.1
	28	250	238	226	220	224	231	225	220	204	212	216	216	229.1
	29	232	250	223	206	205	199	210	217	212	210	209	208	228.8
	30	267	248	234	315	196	121	135	130	159	121	139	111	211.1
	31	156	148	135	140	116	149	180	133	106	135	104	159	130.9
Hourly Means.		213.3	227.8	216.6	212.6	204.0	199.3	199.1	195.3	195.1	196.5	199.2	201.0	216.2

VERTICAL FORCE. A.

HQURLY OBSERVATIONS — 0.19700 + THE NUMBERS IN THE TABLE.

Mean Batavia Time.		1 A.M.	2	3	4	5	6	7	8	9	10	11	12	
MARCH.	1	225	223	221	218	215	212	215	204	194	177	176	174	—
	2	222	216	215	216	218	222	226	224	210	198	193	199	—
	3	231	228	230	230	231	228	230	217	188	170	168	166	—
	4	252	241	242	239	239	241	241	229	209	190	178	174	—
	5	237	235	236	234	237	241	242	235	212	187	173	166	—
	6	229	228	226	226	225	224	234	223	210	204	206	201	—
	7	223	219	222	220	224	223	221	203	187	176	170	181	—
	8	222	224	224	221	219	223	211	187	170	149	146	154	—
	9	220	221	219	218	220	224	223	213	194	173	157	173	—
	10	229	226	223	223	222	224	229	216	197	160	142	159	—
	11	219	219	218	218	218	223	235	237	224	210	187	173	—
	12	234	224	226	222	222	223	230	229	223	204	192	186	—
	13	224	224	226	224	223	222	223	212	204	191	188	187	—
	14	235	231	230	229	228	227	230	204	194	189	173	166	—
	15	213	210	210	212	210	210	204	195	206	163	167	187	—
	16	221	219	222	216	221	223	224	222	195	169	178	174	—
	17	230	237	231	229	230	223	228	230	220	209	187	180	—
	18	223	222	223	210	217	213	221	223	230	223	234	230	—
	19	237	240	247	246	240	240	246	229	210	192	194	187	—
	20	230	221	223	225	216	224	241	226	218	224	210	204	—
	21	223	221	223	220	223	227	232	220	207	198	187	185	—
	22	242	237	236	223	231	243	255	241	222	195	189	189	—
	23	243	241	243	241	235	252	256	243	231	197	180	178	—
	24	246	234	236	232	236	245	243	213	193	167	155	167	—
	25	220	222	228	227	226	225	229	235	222	207	208	200	—
	26	236	237	237	235	233	230	232	216	186	152	145	160	—
	27	230	230	229	226	226	216	224	226	218	204	197	179	—
	28	232	231	226	220	222	223	223	222	215	209	200	202	—
	29	241	239	247	234	235	232	235	214	211	207	194	199	—
	30	237	236	237	237	237	235	235	237	231	222	204	192	—
	31	296	303	262	296	297	275	257	249	246	203	199	204	—
Hourly Means.		232.3	230.3	229.6	228.0	228.3	228.8	231.5	221.7	208.9	190.9	183.1	183.1	
Mean Batavia Time.		1 P.M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
MARCH.	1	177	192	203	214	218	224	223	219	223	224	222	223	209.0
	2	203	216	218	226	236	243	241	240	237	237	238	237	222.1
	3	173	186	203	218	225	235	249	282	271	251	240	249	220.8
	4	161	187	212	230	246	249	247	243	243	241	242	240	225.7
	5	174	180	194	216	228	235	235	233	234	230	232	232	219.1
	6	203	192	196	207	212	225	233	234	232	228	230	228	219.0
	7	193	200	215	233	242	246	240	238	246	228	241	223	217.3
	8	166	198	215	225	225	222	220	223	224	228	223	219	205.8
	9	192	204	229	242	246	238	232	235	235	230	233	231	216.8
	10	175	187	203	218	230	235	235	246	228	228	226	223	211.8
	11	163	174	187	206	224	231	236	235	231	232	234	236	215.4
	12	174	171	182	192	198	216	223	227	224	224	226	224	212.3
	13	198	218	237	239	240	237	240	238	241	240	237	235	222.8
	14	162	172	186	189	189	206	213	215	219	221	218	216	205.9
	15	197	209	216	222	223	224	228	223	224	223	224	224	209.3
	16	186	204	216	228	219	236	249	255	248	231	238	224	217.4
	17	174	192	210	212	224	224	230	230	236	236	230	224	219.0
	18	237	252	254	241	229	237	240	243	232	240	239	237	231.3
	19	203	223	224	224	223	232	230	228	231	231	227	227	225.5
	20	226	229	221	248	241	251	235	223	234	230	231	228	227.5
	21	208	222	243	242	243	242	246	253	248	244	243	241	226.7
	22	198	206	227	236	246	260	261	246	242	245	246	243	231.6
	23	193	212	236	238	233	255	275	272	285	305	259	249	239.7
	24	180	186	202	219	227	232	230	239	232	231	235	232	217.2
	25	197	212	221	234	240	241	246	240	241	237	233	239	226.3
	26	180	200	217	228	233	234	234	230	232	233	230	228	215.8
	27	193	206	220	232	234	238	236	233	229	230	219	227	220.9
	28	223	235	245	252	246	237	240	241	252	248	243	241	230.3
	29	187	207	232	248	247	255	247	240	245	246	245	244	230.5
	30	200	216	230	204	274	328	333	303	294	285	278	284	248.7
	31	223	235	253	260	301	259	237	254	297	250	294	260	258.8
Hourly Means.		190.9	204.0	217.6	226.5	233.6	239.6	240.8	240.7	241.6	238.3	237.3	234.5	222.6

EASTERLY DECLINATION. A.

HOURLY OBSERVATIONS. — 1° 40' 0 + THE NUMBERS IN THE TABLE.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
A P R I L.	1	12.6	12.8	12.7	12.5	12.4	12.1	10.8	9.7	10.1	10.9	12.1	13.6	—
	2	12.8	12.7	12.1	12.6	12.1	12.5	11.9	11.2	10.5	10.8	11.3	12.2	—
	3	12.1	12.1	11.9	12.1	11.9	11.9	11.2	10.4	10.3	10.6	11.7	12.7	—
	4	12.4	12.5	12.4	11.9	11.6	11.6	11.3	11.6	11.7	12.1	13.4	13.8	—
	5	12.6	12.4	12.1	11.9	11.7	11.6	11.3	10.4	11.2	12.1	13.5	14.3	—
	6	12.2	12.5	12.5	11.6	11.4	11.6	11.3	10.6	10.4	10.5	11.2	11.6	—
	7	12.2	12.2	12.2	12.1	11.8	12.1	11.9	11.3	11.2	10.6	10.9	11.3	—
	8	12.5	12.6	12.4	12.4	12.2	11.8	10.9	9.8	9.4	9.5	10.9	11.6	—
	9	12.5	12.5	12.6	12.6	12.1	12.5	11.9	10.2	9.3	10.1	11.4	12.6	—
	10	12.2	12.1	12.0	12.0	11.8	11.8	11.4	10.3	9.4	10.0	10.6	12.2	—
	11	12.1	12.5	12.4	12.2	11.8	11.6	11.0	10.4	10.4	11.0	11.8	12.5	—
	12	12.6	12.7	12.6	12.4	13.1	13.6	12.7	11.8	11.6	11.1	11.3	12.6	—
	13	11.8	11.8	12.6	12.0	12.4	12.8	12.0	10.3	11.4	10.9	11.9	12.0	—
	14	12.5	12.4	12.4	12.2	12.1	11.8	12.6	11.9	12.1	11.9	11.4	12.0	—
	15	12.6	12.6	12.5	12.5	12.1	12.6	12.7	12.6	12.6	11.3	12.7	14.0	—
	16	12.6	12.4	12.6	12.6	12.6	12.5	12.0	11.3	10.3	10.4	11.4	11.4	—
	17	12.5	12.6	12.9	12.7	12.5	12.0	11.7	11.2	11.0	11.4	12.5	12.6	—
	18	12.6	12.6	12.2	12.5	12.5	11.9	12.0	11.1	11.2	11.8	12.6	13.7	—
	19	12.5	12.0	12.6	12.9	12.8	13.1	12.0	10.2	10.3	10.3	11.4	12.6	—
	20	12.2	12.4	11.9	12.0	11.6	12.0	12.1	11.2	10.6	11.4	12.6	13.6	—
	21	12.5	12.8	12.8	12.2	11.9	12.4	12.7	11.6	11.6	12.2	12.7	13.1	—
	22	11.9	11.9	11.8	11.6	11.3	11.3	11.6	11.4	10.3	9.8	10.3	11.0	—
	23	12.1	12.1	12.1	12.4	11.9	11.8	12.0	11.3	10.2	10.0	10.5	11.7	—
	24	12.1	12.0	12.2	12.5	12.2	12.2	12.4	11.2	9.5	9.2	10.2	11.4	—
	25	12.2	12.1	12.4	12.1	11.8	12.0	11.7	11.3	10.2	9.3	10.0	11.4	—
	26	11.7	11.9	11.9	12.0	11.4	11.6	12.1	11.4	10.2	9.8	10.2	10.4	—
	27	12.1	12.4	12.0	11.9	12.0	12.5	12.6	12.2	11.4	11.3	11.4	11.6	—
	28	11.9	11.9	11.9	12.4	12.1	12.6	12.6	12.5	11.8	11.9	12.1	12.6	—
	29	11.7	11.7	11.8	11.4	11.4	11.4	11.6	10.3	9.8	10.2	10.4	10.8	—
	30	11.9	11.4	11.9	11.6	11.8	11.4	11.6	11.2	11.4	11.4	12.0	12.6	—
Hourly Means.		12.27	12.29	12.28	12.19	12.01	12.09	11.85	11.06	10.71	10.79	11.55	12.32	—
Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
A P R I L.	1	14.0	13.9	14.3	13.9	12.6	13.7	13.2	12.6	12.6	12.5	12.5	12.5	12.53
	2	13.2	13.6	13.3	13.7	13.8	13.7	13.2	12.8	12.6	12.6	12.4	12.5	12.50
	3	12.7	12.7	13.2	13.1	13.5	12.7	12.6	12.6	12.5	12.2	12.0	12.1	12.12
	4	13.8	13.8	13.7	13.8	13.3	13.1	12.6	12.6	12.4	12.2	12.2	12.2	12.58
	5	14.4	14.7	14.3	14.3	13.5	13.1	13.2	12.9	12.1	12.0	12.1	12.1	12.66
	6	11.8	12.7	12.7	13.1	12.6	12.6	12.7	12.5	12.1	12.2	12.4	12.5	11.97
	7	12.0	12.9	13.3	13.7	12.9	12.9	12.6	12.5	12.0	12.2	12.2	12.5	12.15
	8	12.4	12.9	13.4	13.5	13.5	12.9	12.5	12.6	12.1	12.4	12.4	12.5	12.05
	9	13.2	13.7	13.6	13.4	12.9	12.9	12.6	12.2	12.0	12.2	12.1	12.2	12.22
	10	13.2	13.5	13.7	13.6	13.2	12.6	12.2	12.4	12.1	12.0	12.0	12.1	12.02
	11	12.9	13.5	13.4	13.1	12.8	12.6	12.2	11.8	11.7	11.8	11.8	12.4	12.07
	12	12.6	13.1	13.6	13.5	13.5	12.2	11.6	12.0	11.8	11.8	12.0	12.6	12.43
	13	12.4	12.5	12.8	13.7	14.2	12.9	12.4	11.8	11.7	10.9	11.4	12.4	12.13
	14	13.2	12.6	12.8	13.6	12.8	12.2	13.1	12.0	11.9	10.9	11.4	12.4	12.26
	15	12.6	14.3	14.0	13.7	12.7	12.6	11.9	11.4	11.6	11.8	11.7	12.1	12.55
	16	11.4	12.4	12.6	12.7	12.5	12.7	11.8	11.7	11.6	12.1	11.6	12.5	11.99
	17	12.6	12.7	12.5	12.5	12.2	11.7	11.9	11.4	11.6	12.4	12.1	12.5	12.15
	18	13.6	13.3	12.6	12.9	12.5	12.5	12.0	12.6	11.7	12.1	12.5	12.6	12.40
	19	12.4	12.6	12.9	13.2	12.6	12.6	12.4	11.9	11.6	12.0	11.7	12.6	12.13
	20	13.1	13.6	13.6	13.2	12.8	12.6	12.1	11.7	11.4	11.8	11.6	12.4	12.23
	21	12.6	12.6	12.5	12.5	12.0	12.0	11.7	12.0	11.6	11.4	11.6	11.9	12.20
	22	11.3	11.4	12.1	12.6	12.5	12.6	12.6	12.1	11.8	11.8	11.8	12.0	11.62
	23	12.6	12.9	12.6	12.8	13.2	12.6	12.0	11.6	11.6	11.8	11.7	11.6	11.88
	24	12.6	12.7	13.2	12.6	12.6	12.6	12.5	12.1	12.0	11.9	12.0	12.0	11.91
	25	14.2	14.3	12.9	13.6	13.1	13.6	12.6	12.7	11.6	11.4	11.4	11.6	12.06
	26	11.1	11.7	12.1	12.7	12.8	12.6	12.5	12.4	11.6	12.0	11.9	12.0	11.67
	27	11.4	11.7	12.6	13.6	13.1	12.8	12.6	11.8	11.6	11.7	11.6	11.8	12.07
	28	12.4	12.5	12.6	13.6	13.3	12.7	11.9	11.6	11.4	11.4	11.6	11.7	12.21
	29	11.4	12.1	13.3	13.6	12.7	12.0	12.4	11.6	11.6	11.7	11.6	11.9	11.60
	30	11.8	12.8	12.9	13.3	12.8	11.7	12.1	11.6	11.4	11.6	11.4	11.7	11.89
Hourly Means.		12.63	12.99	13.10	13.30	12.95	12.67	12.39	12.12	11.84	11.89	11.89	12.20	12.14

HORIZONTAL FORCE. A.

HOURLY OBSERVATIONS — 0.36900 + THE NUMBERS IN THE TABLE.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
A P R I L.	1	141	188	167	168	183	197	178	171	166	180	187	174	—
	2	170	168	168	174	175	178	192	198	198	216	230	213	—
	3	182	189	188	188	190	195	206	216	233	246	252	251	—
	4	194	197	199	199	202	204	216	232	248	264	274	268	—
	5	206	205	207	212	211	221	231	244	251	263	277	266	—
	6	198	200	209	206	209	211	217	218	230	239	249	254	—
	7	206	206	209	212	214	215	219	226	235	251	263	263	—
	8	201	200	202	201	204	206	211	216	224	241	244	241	—
	9	205	205	204	204	208	211	219	237	250	263	273	267	—
	10	209	210	212	213	215	217	222	230	243	252	258	252	—
	11	214	214	216	216	215	222	225	235	243	249	251	247	—
	12	208	199	195	193	193	206	220	217	230	247	254	230	—
	13	216	180	175	183	182	187	212	225	206	225	203	209	—
	14	195	196	196	195	200	208	192	208	192	202	222	201	—
	15	172	181	206	188	192	197	179	201	187	190	179	159	—
	16	179	182	175	182	188	192	202	195	207	211	206	203	—
	17	182	189	190	191	196	192	201	216	226	225	230	232	—
	18	198	205	200	197	212	216	208	216	226	230	241	216	—
	19	173	185	196	205	199	200	212	235	247	248	261	248	—
	20	196	192	208	206	210	211	223	226	236	246	258	254	—
	21	187	189	196	202	211	209	211	225	214	225	240	222	—
	22	197	197	206	204	209	208	207	211	231	239	249	251	—
	23	201	206	204	205	207	207	213	222	237	249	257	248	—
	24	208	206	213	217	225	220	231	246	260	268	278	272	—
	25	208	210	207	212	224	230	253	244	249	270	284	275	—
	26	192	193	196	199	202	207	218	228	244	255	258	253	—
	27	201	203	205	206	210	215	221	230	245	249	257	253	—
	28	206	206	206	204	213	216	224	231	241	253	254	248	—
	29	211	205	209	201	202	215	217	220	228	239	250	246	—
	30	206	209	208	207	211	220	221	223	213	235	249	246	—
Hourly Means.		195.4	197.2	199.1	199.7	203.7	207.8	213.4	221.4	228.0	239.0	246.3	238.7	—
Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
A P R I L.	1	185	172	163	162	168	147	144	159	164	166	160	158	168.7
	2	201	189	188	184	174	168	169	176	175	177	178	180	185.0
	3	233	217	204	194	195	194	194	189	189	188	193	193	205.0
	4	256	244	217	204	216	214	207	204	202	202	202	204	219.5
	5	252	234	219	215	211	206	201	197	202	200	202	205	222.4
	6	246	227	221	217	210	208	205	201	204	206	201	201	216.1
	7	263	249	225	200	189	176	180	187	195	195	190	197	215.2
	8	235	223	210	206	206	204	204	204	204	201	201	204	212.2
	9	257	237	222	214	212	206	207	206	207	206	206	207	222.2
	10	240	229	220	214	216	217	215	214	212	211	213	213	222.8
	11	240	227	220	220	222	227	226	229	226	230	227	221	227.6
	12	229	200	172	169	171	156	167	159	164	167	176	163	195.2
	13	192	197	192	178	139	137	155	175	180	187	164	177	186.5
	14	160	159	166	146	130	125	93	115	116	178	164	167	171.9
	15	182	149	106	118	149	141	137	147	157	170	168	178	168.0
	16	197	185	177	168	168	162	192	184	165	182	178	178	185.8
	17	208	211	210	198	194	197	201	199	199	183	204	189	202.6
	18	206	207	189	187	187	179	195	177	184	185	173	174	200.3
	19	234	197	202	203	199	199	191	187	177	171	204	201	207.3
	20	229	216	193	187	187	194	196	189	171	173	208	192	208.4
	21	211	208	202	198	197	192	191	189	183	196	197	199	203.9
	22	237	227	218	208	209	199	196	196	205	204	206	201	213.1
	23	238	223	219	207	201	199	203	201	204	204	206	210	215.5
	24	263	244	234	216	210	206	205	205	201	201	202	204	226.5
	25	206	197	202	192	189	173	174	163	177	182	181	182	211.8
	26	235	224	211	204	201	203	201	197	197	195	199	200	213.0
	27	244	240	225	212	206	197	188	191	197	201	204	205	216.9
	28	234	218	214	209	204	198	205	205	206	205	206	206	217.2
	29	241	225	212	206	204	208	205	208	206	196	192	193	214.1
	30	243	229	216	211	204	204	205	201	199	200	204	200	215.2
Hourly Means.		226.6	213.5	202.3	194.9	192.3	187.9	188.4	188.5	188.9	192.1	193.6	193.4	206.3

VERTICAL FORCE. A.

HOURLY OBSERVATIONS — 0.19700 + THE NUMBERS IN THE TABLE.

Mean Batavia Time.		1 A.M.	2	3	4	5	6	7	8	9	10	11	12	—
A P R I L.	1	270	243	251	259	258	254	259	263	251	240	238	247	—
	2	257	259	260	258	258	257	257	257	249	245	229	233	—
	3	263	257	258	259	258	256	249	239	219	199	184	183	—
	4	253	253	252	252	253	251	242	232	215	200	183	190	—
	5	251	251	248	245	246	240	240	229	221	200	188	198	—
	6	253	251	245	247	245	245	249	251	239	222	206	208	—
	7	255	252	249	247	247	245	245	240	236	224	214	214	—
	8	253	251	249	250	250	251	256	253	241	221	212	216	—
	9	251	252	251	250	247	246	251	248	234	214	188	186	—
	10	250	247	245	244	242	240	247	245	229	208	192	194	—
	11	248	247	245	245	245	240	242	242	222	201	184	192	—
	12	260	263	263	261	258	248	243	255	240	218	200	218	—
	13	229	262	263	259	257	257	239	249	252	237	246	241	—
	14	257	257	259	261	260	255	265	245	250	246	229	234	—
	15	244	239	226	244	245	242	253	245	249	240	241	259	—
	16	251	250	259	258	256	256	256	257	249	245	225	226	—
	17	222	218	225	225	218	218	222	221	208	203	196	210	—
	18	238	232	238	242	232	232	243	245	232	220	199	220	—
	19	247	236	226	228	232	234	234	222	208	199	178	189	—
	20	232	233	224	226	225	226	225	233	229	215	201	209	—
	21	245	245	238	234	232	233	236	233	237	226	212	217	—
	22	245	245	238	241	238	239	242	240	226	220	204	204	—
	23	243	239	240	239	239	236	233	248	244	233	215	217	—
	24	257	259	253	250	247	245	244	240	239	228	212	213	—
	25	256	253	256	254	246	239	228	227	220	202	182	181	—
	26	245	245	243	241	240	234	233	252	253	245	239	233	—
	27	256	254	252	251	251	243	240	233	232	224	215	216	—
	28	248	250	249	251	245	239	242	239	232	220	213	208	—
	29	239	243	240	246	245	233	240	251	242	220	194	194	—
	30	243	240	240	243	242	236	233	237	233	222	214	214	—
Hourly Means.		248.7	247.5	246.2	247.0	245.2	242.3	242.9	242.4	234.4	221.2	207.8	212.1	—
Mean Batavia Time.		1 P.M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
A P R I L.	1	239	250	249	255	266	271	273	265	262	263	265	266	256.5
	2	250	253	253	255	263	271	269	266	269	268	267	264	257.0
	3	204	222	237	249	251	253	259	260	261	261	257	255	241.4
	4	208	216	236	248	247	251	258	256	259	258	257	253	238.5
	5	211	223	237	241	250	255	256	258	253	253	251	251	237.3
	6	226	233	240	249	256	257	258	258	257	258	259	258	244.6
	7	216	221	242	265	274	279	270	263	260	261	263	257	247.5
	8	224	232	236	240	246	253	254	253	255	257	257	253	244.3
	9	198	215	238	249	254	253	252	250	251	252	251	251	238.8
	10	202	216	229	238	242	245	248	249	249	251	250	249	235.5
	11	198	214	227	238	240	242	244	243	244	244	248	245	232.5
	12	220	236	252	259	272	277	267	271	265	263	257	266	251.3
	13	255	251	251	255	290	295	284	266	266	263	277	268	258.8
	14	255	254	247	266	281	287	299	280	261	240	245	247	257.5
	15	239	255	279	280	268	273	277	272	263	257	257	254	254.2
	16	228	233	245	250	246	246	245	244	236	237	221	229	243.7
	17	236	232	235	245	251	250	245	249	245	255	245	245	230.0
	18	233	228	247	249	247	252	245	253	251	251	251	247	238.6
	19	198	215	214	217	226	232	238	244	252	253	226	226	223.9
	20	229	239	246	250	251	247	244	249	259	257	233	244	234.4
	21	218	220	233	239	244	253	253	256	258	249	246	244	237.5
	22	220	232	239	250	245	245	248	248	244	242	242	242	236.6
	23	227	241	253	261	267	269	263	263	263	263	263	257	246.5
	24	219	233	247	259	266	269	269	266	268	265	263	259	248.8
	25	229	252	260	262	257	260	263	266	261	252	255	251	242.2
	26	236	236	240	245	245	255	257	261	262	262	257	257	246.5
	27	220	217	221	233	251	261	265	263	257	251	250	250	241.9
	28	218	233	234	239	246	250	246	245	246	247	245	242	238.6
	29	190	204	214	227	244	247	251	245	245	255	257	253	234.1
	30	226	238	241	245	257	257	256	256	253	255	251	251	241.0
Hourly Means.		222.4	231.5	240.7	248.6	254.8	258.5	258.5	257.3	255.8	254.8	252.2	251.1	242.7

EASTERLY DECLINATION. A.

HOURLY OBSERVATIONS. — 1° 40' 0 + THE NUMBERS IN THE TABLE.

Mean Batavia Time.		1 A.M.	2	3	4	5	6	7	8	9	10	11	12	—
M A Y.	1	12.1	12.2	13.0	12.2	12.3	12.3	11.9	11.3	10.8	11.5	13.3	13.1	—
	2	11.9	12.1	12.1	12.2	12.5	13.1	12.5	10.8	10.9	10.9	12.2	12.6	—
	3	12.1	12.5	12.3	12.4	12.3	12.3	12.6	11.0	10.3	10.5	10.8	11.5	—
	4	12.5	12.1	12.4	12.2	12.2	12.9	13.1	13.6	12.5	12.2	11.7	11.6	—
	5	12.5	12.2	12.7	12.6	12.4	13.0	13.7	12.3	11.1	10.3	9.7	9.9	—
	6	12.1	12.3	12.6	12.3	12.1	12.2	12.7	11.9	10.7	10.0	10.2	10.0	—
	7	11.9	12.3	12.2	12.1	12.1	12.6	13.0	11.9	11.4	11.4	11.3	11.3	—
	8	12.1	12.1	11.9	12.1	12.1	12.3	12.7	11.9	10.9	10.8	11.3	12.1	—
	9	12.7	13.1	12.3	13.1	13.8	14.9	17.0	15.5	13.1	12.3	11.7	12.1	—
	10	11.9	12.3	12.4	13.3	13.2	13.1	12.3	11.7	10.4	10.3	10.4	11.0	—
	11	12.9	12.5	12.3	12.9	13.1	13.2	13.3	13.0	13.0	13.3	12.7	12.7	—
	12	12.2	13.0	12.7	12.4	13.1	13.2	13.4	13.0	12.1	11.9	11.9	11.9	—
	13	12.1	12.3	12.7	12.4	12.7	12.9	13.3	13.1	13.6	13.2	12.1	11.1	—
	14	12.3	12.6	12.7	12.9	12.7	14.2	13.2	12.4	11.4	11.1	10.8	10.6	—
	15	12.3	12.7	13.1	13.1	13.3	13.4	14.2	12.7	11.9	10.9	10.0	10.7	—
	16	12.2	12.5	12.5	13.1	13.0	13.1	14.5	13.1	10.8	10.7	10.6	10.5	—
	17	12.3	12.7	12.3	12.9	12.3	12.3	13.0	12.6	11.9	11.1	10.8	11.1	—
	18	12.2	12.6	13.2	13.1	12.7	13.1	13.1	12.7	12.5	13.0	11.9	11.7	—
	19	12.1	12.5	13.1	13.4	12.5	12.4	12.4	11.9	10.7	10.9	11.9	13.1	—
	20	12.2	12.7	12.9	12.6	12.5	12.6	13.2	12.1	11.0	10.4	10.3	10.7	—
	21	12.2	12.4	12.4	12.9	12.6	12.9	13.2	12.4	11.4	11.6	11.7	12.7	—
	22	11.1	12.3	11.9	11.9	12.1	12.2	13.9	13.2	12.7	11.8	11.7	11.0	—
	23	12.2	12.2	12.1	12.1	12.3	12.9	12.9	12.2	10.8	10.8	10.8	11.0	—
	24	11.9	11.9	12.2	11.9	12.2	12.4	13.3	12.3	11.3	10.4	10.0	10.7	—
	25	11.9	12.3	12.1	11.9	12.1	12.6	13.6	13.1	11.9	11.0	11.0	11.6	—
	26	12.3	12.1	12.2	12.2	12.2	12.3	13.2	12.4	11.4	10.8	10.8	10.8	—
	27	11.9	11.7	12.2	12.2	12.3	12.5	13.3	13.0	11.5	10.7	10.3	10.0	—
	28	11.7	12.1	12.1	12.4	12.3	12.4	13.1	12.5	11.6	11.1	10.8	11.4	—
	29	12.1	12.7	12.1	12.3	12.2	12.9	13.1	12.2	11.5	11.1	10.4	10.8	—
	30	11.7	11.9	11.9	11.9	12.1	12.1	12.5	11.9	10.8	11.3	11.1	11.9	—
	31	11.9	11.9	12.1	12.2	12.2	12.5	13.1	12.2	11.0	10.8	10.7	10.7	—
Hourly Means.		12.11	12.35	12.41	12.49	12.50	12.80	13.24	12.45	11.51	11.23	11.13	11.35	—

Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
M A Y.	1	13.1	13.2	14.0	15.2	15.4	13.4	13.2	12.1	12.2	12.2	12.4	11.9	12.68
	2	12.2	12.6	13.2	13.9	15.0	13.3	13.1	12.2	11.9	12.2	11.9	12.4	12.40
	3	12.4	12.1	12.7	13.3	13.0	13.0	13.4	12.5	12.3	12.1	12.1	12.1	12.15
	4	12.1	12.3	13.1	13.6	13.3	13.4	12.9	12.5	12.4	11.9	12.2	12.5	12.55
	5	11.0	12.3	13.2	13.3	13.3	13.0	12.9	12.3	12.2	12.1	12.2	12.2	12.18
	6	10.7	11.7	12.6	13.2	13.3	12.6	12.6	12.1	11.9	11.8	12.1	12.3	11.92
	7	11.4	12.1	13.1	13.3	13.3	12.9	12.3	12.5	12.2	11.9	11.9	12.1	12.19
	8	12.4	12.7	13.2	13.3	13.2	12.4	12.2	12.1	12.1	11.9	12.2	12.5	12.19
	9	12.4	13.0	14.2	14.1	14.0	12.2	11.8	11.5	11.1	11.1	11.3	12.1	12.93
	10	12.2	13.2	13.8	14.9	13.8	12.9	13.1	11.9	11.6	11.9	11.8	12.1	12.31
	11	13.3	13.2	13.4	13.8	13.1	11.9	12.2	11.9	11.5	11.9	11.4	11.7	12.68
	12	12.7	14.2	14.2	14.4	13.2	12.9	12.5	12.1	11.8	11.8	11.0	11.7	12.64
	13	11.0	11.7	12.3	12.7	12.7	12.5	11.9	11.6	11.7	11.6	11.9	11.9	12.29
	14	11.0	11.7	12.9	13.7	13.1	12.7	12.1	11.9	11.5	11.9	10.6	12.2	12.18
	15	10.5	11.7	12.5	13.6	13.2	12.7	11.9	11.9	11.3	11.1	11.7	11.9	12.18
	16	10.8	12.2	13.1	13.4	12.7	12.6	11.9	11.8	11.7	11.8	11.9	12.1	12.19
	17	12.4	13.0	12.9	12.5	12.1	11.6	12.3	11.9	11.6	11.1	11.1	11.1	12.04
	18	11.9	13.4	13.4	13.3	12.6	11.8	11.9	12.1	11.9	11.9	11.8	11.8	12.48
	19	13.6	14.1	14.0	13.4	13.1	12.3	12.2	11.9	12.1	12.2	12.1	12.1	12.50
	20	11.0	12.1	12.9	12.9	12.6	12.6	12.3	11.7	11.6	11.5	11.6	11.9	12.00
	21	13.7	12.7	12.6	12.7	13.1	13.1	11.8	11.6	11.7	11.9	11.5	12.2	12.38
	22	11.3	11.9	12.3	13.0	12.9	12.2	12.1	12.2	11.9	11.9	11.9	12.1	12.15
	23	11.3	12.2	12.9	13.0	12.5	12.1	11.9	11.7	11.7	11.6	11.9	11.9	11.96
	24	11.1	11.6	12.2	12.9	13.2	13.1	12.2	11.9	11.9	11.9	11.9	11.9	11.93
	25	11.4	11.7	11.8	12.4	12.4	11.9	11.9	11.9	11.7	11.8	11.9	11.9	11.99
	26	10.9	11.3	12.7	12.6	12.4	12.3	12.1	12.1	11.8	11.7	11.7	11.3	11.90
	27	9.8	11.0	11.8	13.0	12.1	11.3	12.1	11.9	11.6	11.3	11.9	11.9	11.72
	28	11.9	12.6	13.1	13.1	13.3	12.3	12.2	12.4	11.8	11.8	11.9	12.1	12.17
	29	10.9	11.5	12.5	13.6	13.3	12.3	12.2	11.9	11.6	11.7	11.7	11.8	12.02
	30	12.5	14.1	13.8	13.4	12.3	12.1	11.9	11.9	11.8	11.7	11.9	11.9	12.10
	31	11.7	12.1	13.0	13.1	12.5	12.1	11.5	11.5	11.4	11.3	11.5	11.7	11.86
Hourly Means.		11.76	12.43	13.01	13.37	13.10	12.50	12.28	11.98	11.79	11.76	11.77	11.98	12.22

HORIZONTAL FORCE. A.

HOURLY OBSERVATIONS. — 0. 36900 + THE NUMBERS IN THE TABLE.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
M A Y.	1	224	222	231	230	232	236	246	261	269	280	264	264	—
	2	218	222	232	228	232	233	246	251	245	274	264	242	—
	3	221	218	230	227	229	230	240	247	244	246	255	246	—
	4	214	222	218	222	227	228	243	245	262	265	269	267	—
	5	217	219	221	220	225	227	233	239	247	260	263	257	—
	6	225	223	233	233	232	241	245	248	260	265	267	270	—
	7	230	224	227	235	236	241	253	264	270	281	284	275	—
	8	233	239	244	245	250	254	265	277	288	298	296	290	—
	9	217	207	244	228	225	200	217	178	166	186	169	144	—
	10	158	170	181	183	193	193	203	205	217	213	212	206	—
	11	200	193	197	200	198	208	223	225	231	217	229	226	—
	12	191	197	200	203	203	209	212	216	231	230	233	231	—
	13	193	208	193	202	198	206	217	226	235	230	226	226	—
	14	202	202	211	212	212	211	219	222	227	228	223	225	—
	15	188	200	199	207	212	220	228	240	248	258	250	244	—
	16	207	211	225	222	222	222	229	234	243	252	243	237	—
	17	205	200	203	215	214	212	222	226	221	220	221	201	—
	18	203	205	204	207	204	208	214	234	239	249	262	260	—
	19	197	203	200	203	207	207	217	212	231	250	250	251	—
	20	221	224	223	218	221	232	240	213	235	242	248	235	—
	21	207	205	209	212	211	222	229	236	241	243	243	238	—
	22	212	217	216	221	220	226	237	246	275	275	283	259	—
	23	212	203	210	214	216	225	231	239	253	262	255	246	—
	24	219	212	224	216	215	218	233	240	252	261	267	263	—
	25	207	207	207	211	216	225	234	243	250	259	259	251	—
	26	219	220	222	222	224	223	235	244	254	260	265	263	—
	27	214	222	221	221	226	225	234	236	250	249	242	246	—
	28	212	218	226	229	232	238	250	256	263	261	259	255	—
	29	212	215	220	220	220	226	235	241	245	249	250	240	—
	30	217	217	219	219	221	223	233	243	256	258	263	260	—
	31	221	221	222	224	226	229	238	245	259	269	273	266	—
Hourly Means.		210.2	211.8	216.5	217.7	219.3	222.5	232.3	236.5	245.4	251.4	251.2	244.6	—
Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
M A Y.	1	267	255	245	229	207	214	193	203	212	206	212	214	234.0
	2	230	222	219	218	193	194	192	208	204	203	201	212	224.3
	3	244	231	221	217	222	224	212	204	214	216	210	214	227.6
	4	264	255	239	223	221	214	207	213	212	211	212	214	232.0
	5	255	248	230	222	219	219	222	219	217	218	215	219	230.5
	6	265	257	249	241	235	236	233	232	234	236	242	216	242.4
	7	265	255	246	234	228	225	228	224	221	217	224	227	242.3
	8	280	270	260	251	244	242	246	250	244	240	232	234	257.2
	9	118	98	51	70	86	84	130	136	153	150	164	168	157.9
	10	203	210	200	175	172	186	165	160	181	174	187	188	189.0
	11	203	187	187	186	180	184	183	176	188	185	179	222	200.3
	12	204	197	203	197	194	192	193	189	194	196	198	183	204.0
	13	218	211	206	198	200	196	198	195	188	200	195	203	207.0
	14	218	214	204	181	185	193	193	198	201	186	198	182	206.1
	15	236	225	204	199	203	208	209	211	208	209	207	209	217.6
	16	229	199	198	186	179	186	184	191	190	193	203	204	212.0
	17	220	192	176	168	174	193	193	192	182	180	196	188	200.6
	18	250	239	233	229	205	184	146	164	181	198	193	212	213.5
	19	241	232	223	219	217	207	205	212	214	223	222	222	219.4
	20	226	220	215	207	203	206	207	207	202	203	203	208	219.1
	21	236	231	224	218	216	217	217	216	215	217	217	212	222.2
	22	231	216	225	212	199	186	202	209	207	203	207	188	223.8
	23	236	232	226	222	220	222	221	222	221	221	211	215	226.5
	24	253	231	213	202	193	188	200	200	197	204	208	207	221.6
	25	242	231	214	214	215	220	219	217	216	217	217	217	225.3
	26	255	241	227	222	219	217	212	219	218	224	222	235	231.8
	27	246	243	234	210	225	236	222	195	218	222	207	205	227.0
	28	247	231	222	216	212	212	203	204	212	215	207	212	228.8
	29	238	235	227	213	202	208	211	204	207	212	214	216	223.3
	30	252	230	227	220	220	218	220	216	216	216	216	215	229.0
	31	254	240	231	219	215	217	218	218	218	219	220	218	232.5
Hourly Means.		236.3	225.1	215.5	207.0	203.3	204.1	202.7	203.4	206.0	206.9	207.7	209.0	220.3

VERTICAL FORCE. A.

HOURLY OBSERVATIONS. — 0.19700 + THE NUMBERS IN THE TABLE.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
M A Y.	1	268	269	266	266	265	262	251	261	243	220	224	236	—
	2	284	280	274	279	279	276	275	272	270	237	233	238	—
	3	264	268	262	264	266	264	258	259	257	249	239	250	—
	4	277	271	273	273	271	265	262	272	267	262	257	252	—
	5	277	275	274	275	273	268	268	263	267	259	259	262	—
	6	256	256	250	250	253	243	247	255	250	249	244	239	—
	7	263	262	259	255	255	245	240	248	244	236	237	213	—
	8	269	267	263	262	261	253	249	230	226	217	219	217	—
	9	266	270	243	257	256	268	260	314	329	309	323	317	—
	10	280	271	265	268	264	268	272	284	268	265	247	241	—
	11	273	274	276	274	276	268	263	266	262	267	254	267	—
	12	277	277	274	276	276	267	267	266	253	249	244	244	—
	13	282	265	280	275	276	268	262	239	229	233	254	251	—
	14	256	261	253	256	259	251	250	257	249	246	249	241	—
	15	266	258	259	256	256	249	256	267	268	260	259	262	—
	16	257	264	264	256	257	257	257	276	278	278	273	257	—
	17	282	279	269	273	279	269	264	262	262	262	259	267	—
	18	274	271	269	268	270	270	268	275	278	280	269	283	—
	19	269	267	269	268	273	271	267	259	243	234	230	233	—
	20	261	260	262	262	264	255	252	252	253	249	251	250	—
	21	255	255	251	255	255	243	235	227	207	208	191	219	—
	22	250	251	246	242	242	233	230	243	245	250	256	263	—
	23	262	258	257	255	257	250	242	252	242	231	232	232	—
	24	270	274	268	270	270	262	252	255	256	243	240	239	—
	25	273	273	270	269	265	251	246	252	255	251	261	268	—
	26	274	273	273	270	270	267	260	261	259	256	251	255	—
	27	280	273	271	270	267	264	256	257	250	249	256	258	—
	28	263	263	257	257	257	251	244	242	236	242	256	255	—
	29	268	268	264	265	266	257	254	258	260	262	259	248	—
	30	263	264	265	266	264	261	253	251	249	241	241	242	—
	31	263	264	264	262	262	258	253	257	250	246	245	249	—

Hourly Means.	268.5	267.1	264.2	264.3	264.6	259.2	255.4	259.1	255.0	249.7	248.8	250.9	—
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Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
M A Y.	1	236	249	253	266	288	302	312	305	292	294	288	286	266.9
	2	248	248	250	253	276	292	292	280	283	281	285	270	269.0
	3	249	256	256	263	267	270	280	289	281	282	283	279	264.8
	4	250	256	262	269	279	283	289	284	286	287	283	279	271.2
	5	250	242	248	253	263	266	267	268	267	268	268	262	264.2
	6	231	230	228	231	243	257	261	262	263	261	255	270	249.3
	7	247	250	255	269	279	280	276	280	283	284	277	273	260.0
	8	224	231	242	250	253	257	255	250	255	257	260	257	246.8
	9	315	317	331	323	307	313	285	282	273	276	272	271	290.7
	10	232	234	245	269	293	283	289	301	281	286	278	277	269.2
	11	282	295	286	282	286	287	287	292	285	282	287	260	276.3
	12	246	242	251	264	274	283	280	284	282	282	281	291	267.9
	13	256	251	256	261	268	270	270	273	275	265	267	258	261.8
	14	246	238	245	264	278	274	272	270	267	274	268	275	258.3
	15	255	262	266	266	281	281	281	279	274	274	263	260	264.9
	16	256	262	261	276	281	286	286	286	287	285	285	282	271.1
	17	275	280	279	279	291	305	323	309	289	276	279	263	278.1
	18	269	280	289	297	293	282	280	285	289	291	279	281	278.8
	19	238	244	255	264	273	276	274	279	280	282	270	273	262.1
	20	250	249	253	262	266	270	273	268	265	260	257	257	258.4
	21	240	264	260	268	270	275	264	256	256	260	254	269	247.4
	22	261	257	251	250	259	264	262	263	264	262	262	263	252.9
	23	242	245	250	257	265	273	274	274	274	275	277	274	256.3
	24	244	257	276	279	286	289	282	282	282	275	273	273	266.5
	25	270	272	277	274	279	280	280	280	280	277	276	276	269.0
	26	263	270	280	279	282	283	283	277	277	271	268	263	269.4
	27	257	261	261	270	268	266	269	289	275	267	274	274	265.9
	28	257	256	262	270	276	279	281	280	273	270	273	268	261.2
	29	239	234	243	257	275	276	274	275	273	267	266	263	261.3
	30	241	250	259	269	276	279	273	274	274	270	268	268	260.9
	31	250	251	256	270	280	280	280	277	277	274	272	270	262.9

Hourly Means.	252.2	255.9	260.8	267.9	276.0	279.4	279.1	279.1	279.1	276.2	274.6	272.5	270.5	264.6
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EASTERLY DECLINATION. A.

HOURLY OBSERVATIONS. — 1° 40' 0 + THE NUMBERS IN THE TABLE.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
J U N E.	1	12.1	11.9	12.1	12.3	12.1	12.4	13.2	12.4	11.6	11.5	11.7	11.8	—
	2	12.0	12.1	12.1	12.1	12.1	12.5	13.8	12.6	11.1	11.0	11.7	11.9	—
	3	11.8	11.9	11.9	12.1	12.1	12.1	13.1	12.8	12.3	11.8	11.5	11.8	—
	4	11.5	11.6	12.1	12.1	12.1	12.4	12.9	12.1	11.9	11.0	10.7	11.0	—
	5	12.1	12.4	12.7	13.1	12.6	12.7	13.3	13.4	13.5	13.2	12.3	12.1	—
	6	12.3	13.1	13.3	12.8	12.6	12.7	13.4	13.8	11.9	11.1	10.9	11.2	—
	7	11.8	12.1	12.7	12.6	12.8	12.8	13.5	13.3	12.4	12.1	11.3	11.6	—
	8	12.1	12.4	12.4	13.1	13.1	12.7	13.6	14.0	13.2	13.2	12.0	12.1	—
	9	12.1	12.1	12.4	12.6	12.6	13.3	12.9	11.9	11.0	11.0	11.6	12.3	—
	10	12.3	12.4	12.3	12.4	12.3	12.4	12.7	11.9	11.5	11.0	11.0	11.5	—
	11	12.0	12.1	12.0	12.1	12.1	12.4	13.2	13.1	12.6	12.1	11.5	11.6	—
	12	12.0	12.1	12.1	12.1	12.1	12.1	13.1	12.7	12.0	11.2	11.1	11.3	—
	13	12.1	12.4	12.1	12.9	12.5	12.4	13.2	13.3	13.1	11.2	11.1	11.1	—
	14	12.1	12.6	12.5	13.2	13.3	12.1	12.6	11.9	11.1	11.1	10.9	11.1	—
	15	12.3	12.1	12.3	12.1	12.1	12.3	13.1	13.2	13.1	12.4	12.3	12.1	—
	16	12.0	12.1	12.0	12.3	12.3	12.5	13.1	12.9	12.1	12.0	11.3	11.8	—
	17	12.0	12.3	12.1	11.8	12.3	12.6	13.3	12.1	11.0	10.2	10.0	10.9	—
	18	12.1	12.1	12.1	12.1	12.4	12.1	13.8	13.5	12.5	11.6	11.0	11.1	—
	19	11.7	11.9	12.1	11.9	12.1	12.3	13.3	12.4	11.1	10.8	10.4	10.7	—
	20	11.9	12.0	12.1	12.0	12.1	12.1	13.2	12.5	12.0	11.5	11.8	12.0	—
	21	11.6	11.8	11.9	11.8	11.7	11.9	12.3	12.1	11.0	10.2	10.0	10.4	—
	22	11.8	11.9	12.0	12.0	12.0	11.9	13.2	12.7	11.5	10.4	10.0	10.9	—
	23	10.1	11.1	12.3	12.0	12.0	11.7	13.2	12.0	11.1	10.8	11.0	11.1	—
	24	11.7	11.8	12.1	11.9	12.1	12.3	12.4	11.2	10.0	9.3	10.5	11.5	—
	25	12.0	12.1	11.5	11.8	11.7	12.1	12.5	12.3	12.1	11.9	12.1	12.6	—
	26	11.3	11.6	12.0	11.9	12.1	12.1	12.3	10.8	12.1	10.7	10.8	11.0	—
	27	11.6	11.9	11.6	11.8	11.8	12.1	12.5	12.1	11.8	11.3	11.9	12.3	—
	28	11.6	12.0	12.1	12.0	12.1	12.1	12.8	12.3	12.1	12.0	12.0	12.1	—
	29	11.5	11.6	11.6	11.8	12.0	12.0	12.4	12.1	11.5	11.3	11.5	11.9	—
	30	11.2	12.0	11.5	12.1	12.1	13.1	13.6	13.2	12.1	11.0	11.7	10.2	—
Hourly Means.		11.82	12.05	12.13	12.23	12.24	12.34	13.05	12.55	11.88	11.33	11.25	11.50	—
Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
J U N E.	1	12.6	13.4	13.5	13.3	12.4	12.0	11.9	11.6	11.9	11.6	11.6	11.9	12.20
	2	11.7	12.0	12.4	12.3	12.0	12.0	12.0	11.9	11.8	11.8	11.7	11.9	12.02
	3	12.1	12.5	12.6	12.6	12.5	12.3	12.4	12.3	12.1	11.3	11.8	11.5	12.13
	4	11.2	12.4	13.3	13.8	12.7	12.1	11.9	11.9	11.8	11.8	11.7	12.1	12.00
	5	12.4	13.2	13.3	13.2	12.5	11.0	11.9	11.2	11.2	11.3	11.8	12.1	12.44
	6	11.6	12.1	12.7	12.3	12.5	12.1	12.0	11.9	11.3	11.9	11.8	12.0	12.22
	7	11.1	11.6	12.0	12.9	13.1	12.1	12.1	12.0	11.8	11.8	11.9	11.9	12.22
	8	13.2	13.4	13.2	13.2	12.3	12.1	11.9	11.9	11.5	11.7	11.7	12.0	12.58
	9	12.8	13.3	12.9	12.4	12.0	11.9	11.8	12.0	11.8	12.0	12.1	12.1	12.20
	10	12.1	12.3	12.0	12.3	12.3	12.1	12.0	11.8	11.6	11.3	11.6	11.9	11.96
	11	12.0	12.3	13.1	12.8	12.3	11.9	11.3	11.5	11.3	11.3	11.6	12.0	12.09
	12	11.9	12.6	13.3	13.4	12.7	12.1	11.5	11.2	11.5	11.0	11.7	12.1	12.04
	13	11.3	12.1	13.1	13.1	12.3	12.0	11.9	11.9	11.8	11.2	11.2	12.0	12.14
	14	11.0	11.9	12.5	12.3	12.1	12.1	11.8	11.2	11.3	11.6	11.9	11.9	11.92
	15	12.3	12.3	12.8	13.2	13.1	11.8	11.6	11.5	11.3	11.6	11.8	11.8	12.27
	16	12.0	12.4	13.2	13.3	12.4	11.8	11.6	11.5	11.2	11.2	11.3	11.7	12.08
	17	11.0	11.7	12.1	13.4	13.1	11.7	12.0	11.1	11.2	11.2	11.3	12.0	11.77
	18	12.1	13.3	12.4	12.5	11.6	11.7	11.5	11.7	11.7	11.1	11.2	11.3	12.02
	19	11.0	11.2	12.1	12.1	12.0	11.9	12.1	11.9	11.3	12.0	12.0	12.0	11.76
	20	12.1	12.3	12.1	12.4	12.1	11.6	11.2	11.2	11.1	11.3	11.3	11.3	11.88
	21	10.8	11.3	12.4	12.4	12.1	11.8	12.1	11.6	11.8	11.3	11.1	11.6	11.54
	22	12.1	13.3	12.9	12.4	12.4	12.3	12.1	11.1	11.2	12.0	11.3	11.6	11.88
	23	11.3	12.3	13.2	12.8	12.9	12.1	12.0	11.2	11.2	11.1	11.2	11.7	11.73
	24	12.8	13.3	13.1	12.1	12.1	12.1	11.2	11.2	11.0	11.2	11.3	11.8	11.67
	25	12.3	13.5	13.3	13.3	12.4	12.4	11.6	11.5	11.2	11.2	11.1	11.2	12.07
	26	11.5	11.5	12.3	12.5	12.5	11.5	11.5	11.2	11.2	11.2	10.9	11.6	11.59
	27	13.2	13.3	13.2	12.5	11.8	12.0	11.5	11.3	11.2	11.0	11.2	11.7	11.94
	28	12.1	12.4	12.9	12.4	12.1	11.2	11.1	11.0	11.1	11.0	11.1	11.2	11.87
	29	13.1	13.8	14.0	13.3	12.3	11.6	11.2	11.2	11.1	11.0	11.0	11.0	11.91
	30	10.5	13.2	15.2	12.5	11.1	11.5	11.0	10.4	11.0	10.9	11.0	11.3	11.81
Hourly Means.		11.91	12.54	12.90	12.77	12.32	11.89	11.72	11.50	11.42	11.40	11.47	11.74	12.00

HORIZONTAL FORCE. A.

HOURLY OBSERVATIONS. — 0.36900 + THE NUMBERS IN THE TABLE.

Mean Batavia Time.		1 A.M.	2	3	4	5	6	7	8	9	10	11	12	—
J U N E.	1	222	223	222	226	230	234	243	254	264	273	273	269	—
	2	218	218	221	222	223	225	237	252	269	279	279	262	—
	3	220	221	221	221	222	227	235	243	253	263	267	262	—
	4	207	212	212	218	230	227	241	260	268	281	291	288	—
	5	217	222	222	222	227	245	259	258	249	247	245	245	—
	6	206	204	202	212	213	218	222	214	241	245	236	236	—
	7	212	206	209	212	213	218	227	235	246	238	241	241	—
	8	208	207	207	217	218	217	221	231	245	231	242	244	—
	9	212	216	211	207	214	212	222	235	240	241	250	245	—
	10	211	203	206	206	212	217	231	240	249	256	260	251	—
	11	222	226	225	222	221	226	232	244	254	254	251	250	—
	12	227	224	227	229	229	232	237	248	264	274	280	278	—
	13	188	189	208	203	203	203	212	217	221	231	225	224	—
	14	215	212	213	213	212	222	226	233	231	234	225	226	—
	15	216	215	215	217	218	222	234	242	241	251	253	254	—
	16	206	207	208	210	214	217	227	236	241	250	251	245	—
	17	223	224	217	226	226	232	240	253	261	267	267	255	—
	18	210	211	212	221	222	217	223	238	243	255	264	261	—
	19	209	219	217	221	221	220	227	236	240	251	265	256	—
	20	214	221	220	221	222	224	227	231	238	248	250	250	—
	21	218	218	222	222	227	228	238	245	250	257	252	254	—
	22	222	224	221	219	222	222	236	232	237	247	250	241	—
	23	181	186	186	202	201	209	213	232	226	241	245	239	—
	24	208	204	217	212	213	217	218	222	240	241	244	232	—
	25	197	198	206	213	207	205	216	213	220	234	232	217	—
	26	207	211	211	213	210	212	224	235	221	241	232	226	—
	27	201	206	207	206	212	216	228	237	249	264	265	259	—
	28	212	212	212	212	210	219	231	236	240	245	245	247	—
	29	211	212	212	214	216	221	230	238	245	255	260	257	—
	30	196	248	213	198	195	188	184	177	190	204	203	233	—
Hourly Means.		210.5	213.3	213.4	215.2	216.8	219.7	228.0	235.6	242.5	249.9	251.4	248.2	—
Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
J U N E.	1	257	239	222	212	213	213	208	212	209	211	216	215	231.7
	2	250	238	231	221	217	217	218	218	216	215	217	217	232.5
	3	247	241	231	218	214	217	212	202	198	198	198	205	226.5
	4	275	255	234	205	207	203	203	203	207	203	207	212	231.2
	5	232	228	222	213	203	218	186	173	197	201	203	206	222.5
	6	236	225	216	193	194	199	199	200	207	206	209	207	214.2
	7	226	220	219	211	201	196	203	209	208	211	207	207	217.3
	8	240	227	222	205	194	189	199	197	203	207	208	207	216.1
	9	239	222	212	210	210	207	210	208	200	202	201	206	218.0
	10	242	235	228	221	216	212	211	212	215	217	218	219	224.5
	11	245	239	231	223	221	222	225	220	222	227	222	223	231.1
	12	261	242	227	212	194	206	217	218	188	198	160	169	226.7
	13	221	217	206	210	212	211	211	209	211	203	199	203	209.9
	14	220	209	203	208	186	189	198	203	205	207	202	203	212.3
	15	243	231	206	196	183	189	197	198	203	203	201	204	218.0
	16	237	231	222	216	212	215	217	219	221	222	220	222	223.6
	17	242	222	227	183	188	193	188	202	205	203	212	212	223.7
	18	231	207	222	212	212	213	208	203	204	208	212	212	221.7
	19	254	236	226	216	217	212	198	205	211	207	208	209	224.2
	20	246	237	229	221	212	217	220	219	217	212	214	217	226.1
	21	253	248	236	228	222	222	216	201	210	208	208	219	229.3
	22	245	217	203	204	197	198	193	188	199	178	171	169	214.0
	23	234	226	213	207	202	184	193	202	203	198	203	210	209.8
	24	231	203	202	203	204	202	198	203	204	197	197	201	213.0
	25	216	212	208	203	194	184	197	193	201	203	203	206	207.4
	26	224	217	198	179	182	197	195	199	202	196	202	203	209.9
	27	236	216	211	199	203	209	203	203	199	201	192	206	217.8
	28	231	213	204	207	203	209	211	212	212	208	212	212	219.0
	29	250	237	225	220	216	220	224	221	221	222	211	209	227.0
	30	224	212	127	142	162	158	146	155	152	174	185	181	185.4
Hourly Means.		239.6	226.7	215.4	206.6	203.0	204.0	203.5	203.6	205.0	204.9	203.9	206.5	219.5

VERTICAL FORCE. A.

HOURLY OBSERVATIONS. — 0.19700+ THE NUMBERS IN THE TABLE.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
J U N E.	1	244	242	244	243	240	233	225	194	184	176	176	183	—
	2	225	225	222	222	225	220	219	238	245	246	243	232	—
	3	237	233	233	233	233	227	222	226	222	215	217	207	—
	4	239	235	233	227	225	221	215	220	214	206	195	201	—
	5	238	236	233	235	234	221	213	220	233	233	232	231	—
	6	240	243	244	237	238	234	233	270	255	244	250	244	—
	7	252	254	250	249	248	243	238	244	240	248	244	239	—
	8	255	254	253	245	244	243	235	230	225	235	235	233	—
	9	246	244	248	250	245	244	241	231	226	226	209	203	—
	10	244	249	247	248	244	239	228	221	210	207	205	207	—
	11	241	241	240	244	246	239	233	225	222	227	225	222	—
	12	241	244	244	243	246	243	236	238	233	222	220	219	—
	13	250	249	240	246	249	246	244	250	250	250	257	252	—
	14	242	243	243	243	244	239	234	222	227	226	225	216	—
	15	226	227	228	232	231	226	219	212	213	210	207	204	—
	16	234	233	232	232	230	226	219	226	226	221	217	219	—
	17	232	231	234	232	232	226	225	221	222	219	218	225	—
	18	237	235	233	226	227	231	228	246	250	247	238	225	—
	19	250	244	243	243	244	242	236	229	231	226	214	201	—
	20	237	232	233	233	233	231	225	238	237	232	233	234	—
	21	252	250	248	246	245	244	237	244	241	238	236	225	—
	22	243	242	241	244	243	239	230	244	250	247	237	231	—
	23	268	262	258	250	250	245	239	221	231	226	221	219	—
	24	245	247	242	244	244	238	238	252	238	239	226	238	—
	25	262	259	258	252	262	246	249	252	248	238	233	238	—
	26	254	252	252	252	256	250	244	246	250	238	244	248	—
	27	262	258	256	258	256	250	246	240	229	214	206	213	—
	28	252	251	253	256	258	249	239	238	238	236	239	244	—
	29	255	255	253	253	253	248	238	231	224	220	213	210	—
	30	255	219	244	253	259	257	256	276	269	257	262	259	—
Hourly Means.		245.3	24.30	242.7	242.4	24.28	238.0	232.8	234.8	232.8	229.0	225.9	223.8	—
Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
J U N E.	1	188	197	214	231	240	238	240	237	237	233	230	226	220.6
	2	233	233	232	243	252	249	249	248	248	244	242	239	236.4
	3	218	219	225	237	247	246	249	252	255	252	250	244	233.3
	4	209	217	233	249	256	261	258	256	251	252	250	243	231.9
	5	238	235	237	243	256	248	261	269	253	244	243	240	238.6
	6	239	235	241	257	256	260	262	262	258	256	253	255	248.6
	7	244	244	244	244	257	269	259	256	256	256	256	256	249.6
	8	236	249	250	262	273	270	260	261	253	250	250	250	248.0
	9	213	226	238	243	248	247	246	249	252	252	250	245	238.4
	10	216	228	234	240	249	257	257	255	250	246	245	244	236.3
	11	225	226	237	250	252	251	249	251	250	245	245	244	238.8
	12	222	238	244	255	270	265	256	250	265	259	281	268	245.9
	13	246	242	243	244	250	255	255	252	252	256	256	250	249.3
	14	228	224	221	226	247	246	244	243	240	239	240	238	235.0
	15	214	222	226	235	251	255	246	246	240	239	240	237	228.6
	16	225	222	222	233	244	247	244	244	241	238	238	235	231.2
	17	227	236	225	249	256	251	256	247	244	245	238	235	234.4
	18	241	252	245	258	262	262	264	267	263	261	256	252	246.1
	19	206	211	214	231	241	246	253	250	246	246	244	241	231.7
	20	235	243	256	259	262	262	259	258	259	259	258	256	244.5
	21	225	220	225	236	246	253	256	264	256	254	252	245	243.3
	22	219	232	249	250	260	262	264	275	261	272	278	275	249.5
	23	221	220	226	238	250	263	256	253	251	252	250	244	242.3
	24	239	261	265	268	267	271	271	264	262	268	264	262	252.2
	25	241	244	253	258	269	275	266	265	260	257	256	256	254.0
	26	248	252	268	282	280	271	272	265	264	268	264	261	257.5
	27	226	250	256	267	264	264	265	267	267	264	265	256	250.0
	28	255	260	265	264	268	263	262	262	261	261	256	256	253.6
	29	248	238	245	257	262	257	255	250	250	248	251	248	243.0
	30	253	252	293	293	273	271	281	275	276	261	253	252	262.1
Hourly Means.		228.3	234.4	24.09	250.1	256.9	257.8	257.2	256.4	254.0	252.6	251.8	248.4	242.6

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BATAVIA 1886. MAGNETICAL OBSERVATIONS.

EASTERLY DECLINATION. A.

HOURLY OBSERVATIONS. — 1° 40'.0 + THE NUMBERS IN THE TABLE.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
JULY.	1	12.1	12.4	12.6	12.5	12.8	14.9	13.0	12.2	11.0	10.6	10.9	11.4	—
	2	12.4	12.2	12.5	12.7	13.2	13.2	13.4	12.4	11.7	10.9	10.1	9.9	—
	3	11.8	12.2	12.8	12.4	12.4	12.6	13.3	12.2	11.8	11.2	11.1	11.2	—
	4	11.8	11.4	12.1	12.2	13.0	13.2	13.3	12.2	11.2	11.2	11.1	11.9	—
	5	12.0	12.0	11.8	12.1	12.0	12.0	13.0	12.6	12.1	11.1	10.6	10.5	—
	6	12.1	12.2	11.9	12.1	12.1	12.1	12.4	12.1	11.9	12.0	12.2	12.6	—
	7	12.0	12.2	11.7	12.0	11.9	12.2	12.5	12.2	11.3	11.2	11.1	11.3	—
	8	11.9	12.1	12.4	12.4	12.1	12.2	12.6	12.1	11.0	10.3	9.4	9.9	—
	9	11.8	12.1	12.1	12.1	12.0	12.1	12.2	12.5	11.9	10.2	9.9	10.1	—
	10	12.0	12.2	12.6	12.2	12.4	12.2	12.2	12.2	12.1	11.4	11.0	11.0	—
	11	11.4	12.1	12.1	12.2	12.1	12.2	12.6	12.2	11.4	10.9	10.0	10.2	—
	12	12.0	12.2	12.5	12.7	12.5	12.6	13.5	12.1	11.7	11.4	11.8	12.0	—
	13	11.8	12.2	12.1	12.1	12.1	12.1	12.5	12.4	11.1	10.7	10.0	10.3	—
	14	11.8	12.0	12.0	12.0	12.0	12.1	12.4	12.2	10.8	9.9	8.9	8.8	—
	15	11.0	11.2	12.2	11.7	11.6	11.6	12.1	12.1	12.2	12.2	12.1	12.2	—
	16	11.4	11.9	11.3	11.2	11.8	11.9	12.4	12.4	11.8	11.1	11.1	11.1	—
	17	11.1	11.1	11.4	11.9	11.8	12.2	12.2	11.1	10.5	10.3	10.6	10.9	—
	18	12.0	12.2	12.0	12.0	12.2	12.2	13.3	12.4	10.9	9.9	9.0	9.2	—
	19	11.1	11.6	11.1	11.8	11.6	11.9	12.2	12.6	11.6	11.2	10.8	10.5	—
	20	11.1	11.2	10.0	11.0	11.3	12.1	12.7	12.2	11.1	10.1	10.1	10.1	—
	21	11.8	11.4	11.7	12.2	11.8	12.0	12.8	11.2	9.9	9.6	8.9	9.9	—
	22	11.1	11.7	12.0	11.7	11.9	12.5	12.7	12.2	10.8	10.0	10.2	10.5	—
	23	10.8	11.2	11.2	11.7	11.6	11.9	12.5	11.9	10.9	11.0	10.1	10.6	—
	24	11.2	11.4	11.4	11.8	11.6	11.6	12.2	12.1	11.0	10.1	10.1	10.3	—
	25	11.4	11.4	11.4	11.6	11.4	12.0	11.2	10.7	9.8	9.2	10.0	11.1	—
	26	11.7	11.3	11.8	11.9	11.6	12.0	12.1	11.1	10.0	10.0	10.0	10.2	—
	27	11.2	11.3	11.6	11.4	11.6	12.0	12.5	11.8	10.2	9.1	8.8	9.9	—
	28	11.0	10.9	9.8	11.2	12.2	12.1	13.2	11.1	9.9	9.6	9.2	11.0	—
	29	11.2	11.8	11.7	11.7	12.1	12.1	12.4	11.8	10.2	10.0	10.1	10.9	—
	30	12.2	12.0	12.1	12.2	12.2	12.4	12.4	11.7	11.8	11.2	11.0	11.2	—
	31	11.7	11.9	11.8	12.1	11.4	12.1	12.5	11.6	10.3	10.2	10.1	10.2	—
Hourly Means.		11.61	11.77	11.80	11.96	12.01	12.27	12.59	11.99	11.09	10.57	10.33	10.67	—
Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
JULY.	1	12.2	12.6	12.4	12.4	12.2	11.3	11.3	11.3	11.2	11.2	11.7	11.7	12.00
	2	12.0	11.8	13.2	12.7	11.7	11.4	11.2	11.6	11.1	11.1	11.1	11.3	11.78
	3	11.2	11.8	12.5	12.5	12.2	11.6	11.1	11.1	11.2	11.2	11.1	11.3	11.83
	4	12.2	12.5	12.4	12.2	12.1	11.9	11.3	11.4	11.2	11.2	11.2	11.3	11.90
	5	11.2	12.2	12.4	12.6	12.2	11.4	11.3	11.2	11.1	11.2	11.2	11.8	11.73
	6	12.5	12.2	12.0	11.9	11.7	11.8	11.1	11.6	11.4	11.6	11.6	12.1	11.97
	7	12.2	13.2	13.0	12.4	12.2	11.7	11.3	11.7	11.3	11.4	11.4	11.9	11.89
	8	10.8	11.6	12.1	12.2	11.9	11.3	11.1	11.1	11.1	11.1	11.2	11.4	11.47
	9	10.6	11.4	12.1	11.9	11.7	11.3	11.1	11.1	11.1	11.2	11.4	11.9	11.49
	10	11.2	11.2	11.7	12.2	11.7	11.8	11.0	11.1	11.0	11.0	11.0	11.4	11.66
	11	11.0	12.1	12.5	12.2	11.9	11.4	11.2	11.2	11.1	11.3	11.3	11.6	11.59
	12	12.1	11.6	12.1	12.2	11.8	11.4	11.0	11.0	11.0	11.1	11.2	11.4	11.87
	13	11.0	11.1	12.1	12.2	12.0	11.4	11.2	11.4	11.3	11.3	11.3	11.4	11.55
	14	8.8	10.1	12.0	12.4	11.9	11.4	11.2	11.4	11.1	11.0	10.3	11.2	11.15
	15	12.5	12.5	12.2	12.5	12.2	12.1	12.1	12.1	11.1	11.3	11.2	11.3	11.89
	16	11.6	12.8	12.5	12.5	11.7	12.2	11.1	11.7	11.0	11.1	11.1	11.1	11.66
	17	11.1	12.1	12.4	13.3	12.2	11.4	11.3	11.7	11.2	11.2	11.2	11.7	11.50
	18	10.2	12.2	12.5	12.5	12.1	12.2	11.6	11.6	11.1	11.1	11.1	11.1	11.53
	19	11.0	12.1	12.4	12.8	12.1	13.3	12.1	11.4	12.2	11.0	11.1	10.9	11.68
	20	11.4	13.0	13.9	13.4	11.8	11.7	11.1	11.4	11.6	11.3	11.0	11.2	11.49
	21	10.5	11.8	12.8	12.6	12.5	12.2	11.8	12.0	11.9	11.1	10.5	11.1	11.42
	22	11.1	12.2	12.9	13.2	12.4	12.2	12.1	11.9	11.4	11.2	10.8	11.0	11.65
	23	11.8	13.2	13.4	13.3	13.3	12.5	11.7	11.4	11.0	11.1	11.0	11.2	11.68
	24	10.3	11.3	12.0	11.4	11.3	11.8	11.4	11.4	11.2	11.1	11.1	11.3	11.27
	25	12.2	12.6	13.3	13.3	12.4	12.0	11.3	11.2	11.1	11.2	11.2	11.2	11.43
	26	10.7	11.8	12.1	12.2	12.1	11.6	11.3	11.3	11.1	11.1	11.1	11.2	11.30
	27	11.0	12.0	13.7	13.6	12.6	12.2	11.9	11.3	11.1	11.1	11.1	11.0	11.42
	28	10.3	11.2	11.0	11.1	11.1	11.6	11.1	11.2	11.2	11.2	11.1	11.3	11.03
	29	11.2	11.1	11.2	11.3	11.9	11.9	11.4	11.6	11.1	11.2	11.3	11.8	11.38
	30	12.1	12.5	12.1	12.2	12.1	12.1	11.6	11.2	11.2	11.4	11.3	11.3	11.81
	31	10.9	11.3	12.0	12.2	12.0	11.6	11.1	11.1	11.0	11.1	11.2	11.4	11.37
Hourly Means.		11.19	11.97	12.42	12.43	12.03	11.80	11.37	11.41	11.22	11.18	11.14	11.38	11.59

HORIZONTAL FORCE. A.

HOURLY OBSERVATIONS. — 0.36900 + THE NUMBERS IN THE TABLE.

Mean Batavia Time.		1 A.M.	2	3	4	5	6	7	8	9	10	11	12	—
JULY.	1	190	190	199	202	204	194	223	223	233	225	232	211	—
	2	199	208	202	204	203	209	217	221	222	227	237	229	—
	3	195	194	198	196	209	213	227	237	237	242	230	221	—
	4	202	222	216	211	209	214	228	237	253	256	264	261	—
	5	209	204	208	209	213	214	224	237	251	261	266	261	—
	6	211	214	218	218	220	228	236	257	269	276	278	268	—
	7	214	213	219	218	219	223	232	245	257	265	266	256	—
	8	223	223	222	218	225	224	233	247	266	270	279	275	—
	9	218	215	218	220	222	226	234	242	252	260	271	277	—
	10	217	214	227	228	227	223	228	232	235	252	258	255	—
	11	222	220	221	224	226	228	240	246	248	247	247	246	—
	12	215	236	218	214	220	228	237	255	243	248	259	258	—
	13	217	213	214	218	218	224	234	237	247	251	255	245	—
	14	213	213	214	217	218	223	233	237	245	255	267	271	—
	15	185	179	186	210	201	206	218	230	230	237	241	248	—
	16	202	199	204	205	209	219	233	232	239	242	240	230	—
	17	195	205	214	212	213	216	223	232	237	250	242	232	—
	18	209	213	217	218	215	214	227	237	240	251	261	256	—
	19	214	218	225	233	242	241	233	251	257	265	278	270	—
	20	195	205	212	241	217	218	220	223	229	242	232	244	—
	21	204	205	201	199	203	205	210	228	229	228	235	228	—
	22	185	191	191	195	199	197	214	222	235	240	243	233	—
	23	199	197	196	203	209	215	218	227	236	247	246	232	—
	24	204	204	204	199	210	213	217	222	236	246	251	246	—
	25	199	199	205	203	205	202	218	227	236	245	252	248	—
	26	203	204	199	199	205	209	218	232	237	251	256	251	—
	27	208	209	209	209	213	217	224	234	246	256	265	265	—
	28	157	161	199	163	147	156	180	172	174	156	162	112	—
	29	158	160	161	162	168	171	180	189	202	204	221	222	—
	30	180	190	189	186	188	190	202	210	224	222	220	215	—
	31	184	184	185	188	194	198	204	218	230	242	233	242	—
Hourly Means.		200.8	203.3	206.2	207.2	208.7	211.5	221.5	230.3	237.9	243.8	248.0	242.2	—
Mean Batavia Time.		1 P.M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
JULY.	1	195	184	194	189	182	198	194	195	190	194	184	190	200.6
	2	227	218	184	192	195	195	194	191	186	190	209	196	206.5
	3	218	204	198	198	202	202	200	199	193	204	204	204	209.4
	4	253	242	227	203	199	198	195	204	205	199	209	213	221.7
	5	247	229	220	205	199	203	209	208	208	209	212	213	221.6
	6	260	246	232	220	218	209	214	206	209	213	211	209	230.8
	7	252	236	224	221	218	217	218	218	221	221	223	222	229.9
	8	268	261	244	221	207	206	210	209	209	209	213	217	232.5
	9	272	267	256	242	232	225	221	218	223	228	227	209	236.5
	10	244	230	227	209	211	208	218	214	218	220	223	219	226.5
	11	248	246	232	219	212	214	214	209	204	206	209	214	226.8
	12	246	234	231	215	214	214	218	214	213	209	212	216	227.8
	13	239	233	226	218	213	213	213	212	212	211	211	211	224.4
	14	265	253	235	221	224	226	205	218	209	193	184	177	225.7
	15	241	228	223	217	217	190	180	185	193	199	195	202	210.0
	16	223	200	199	193	195	185	197	181	195	198	199	204	209.3
	17	220	209	205	199	194	205	204	204	212	208	204	209	214.3
	18	256	243	232	209	207	208	206	205	204	204	209	212	223.0
	19	248	233	204	199	205	161	181	184	154	182	190	189	219.2
	20	228	198	185	177	195	194	193	184	190	193	194	199	208.7
	21	219	213	198	194	188	197	185	187	187	180	181	175	203.3
	22	232	203	190	190	193	182	171	175	176	180	190	190	200.7
	23	204	180	175	161	164	171	180	185	194	196	199	199	201.4
	24	237	229	212	207	201	195	193	194	195	199	202	199	213.1
	25	233	222	208	199	194	196	200	199	199	203	202	202	212.3
	26	237	227	217	205	204	204	204	200	203	203	207	206	215.9
	27	255	237	213	204	194	194	185	184	187	177	168	149	212.6
	28	146	137	136	128	148	136	129	136	142	144	146	142	150.4
	29	209	204	188	184	178	175	175	172	176	175	180	176	182.9
	30	202	190	190	182	182	176	176	175	180	180	180	184	192.2
	31	226	217	203	194	187	183	186	189	189	190	193	190	202.0
Hourly Means.		233.9	221.1	209.9	200.5	199.1	196.1	195.8	195.3	196.0	197.3	199.0	198.0	212.6

VERTICAL FORCE. A.

HOURLY OBSERVATIONS — 0.19700 + THE NUMBERS IN THE TABLE.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	---
JULY.	1	232	230	229	230	235	238	224	237	230	227	207	206	—
	2	233	226	231	232	236	230	230	242	245	248	235	235	—
	3	243	242	237	239	232	230	223	212	212	205	212	229	—
	4	232	224	224	226	228	223	217	212	211	209	212	217	—
	5	231	235	230	227	226	223	213	223	223	220	218	213	—
	6	241	238	235	235	233	226	219	207	205	207	202	211	—
	7	236	235	230	230	229	225	216	209	201	197	193	203	—
	8	235	233	234	236	232	230	220	213	205	206	201	202	—
	9	234	235	234	233	233	230	222	226	220	224	215	212	—
	10	242	242	239	232	238	241	236	235	233	232	236	232	—
	11	237	238	238	236	236	235	229	210	205	206	200	205	—
	12	225	213	224	229	227	218	211	177	188	177	174	174	—
	13	206	208	209	206	207	205	199	202	200	190	183	184	—
	14	211	211	211	208	207	206	199	203	205	200	193	188	—
	15	226	226	215	199	209	205	199	187	183	186	185	182	—
	16	215	218	214	212	211	201	191	224	221	230	230	230	—
	17	242	236	228	233	234	230	226	220	214	211	218	214	—
	18	228	224	219	219	224	223	212	204	210	202	195	193	—
	19	212	207	205	198	194	197	198	183	184	189	188	182	—
	20	219	213	210	195	206	206	202	215	207	206	204	199	—
	21	224	222	229	227	224	219	211	207	211	208	199	199	—
	22	237	232	228	227	225	222	207	205	205	205	205	210	—
	23	224	225	224	220	218	213	213	207	205	203	195	201	—
	24	217	217	216	219	210	208	206	212	211	217	211	214	—
	25	227	227	224	225	224	223	213	206	199	189	170	167	—
	26	223	223	224	224	223	219	212	199	198	183	181	187	—
	27	226	225	224	225	224	218	213	231	230	225	215	205	—
	28	262	256	232	256	266	261	245	275	280	282	263	286	—
	29	246	247	248	250	248	247	245	241	236	227	211	206	—
	30	239	232	235	236	239	236	230	231	219	225	223	220	—
	31	242	242	242	241	237	236	236	251	248	230	235	242	—
Hourly Means.		230.5	228.5	226.5	226.0	22.63	223.4	216.7	216.3	214.3	211.8	206.7	208.0	—
Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
JULY.	1	211	220	220	230	241	236	242	242	245	242	247	239	230.8
	2	230	232	250	249	248	250	253	254	257	254	242	247	241.2
	3	234	244	236	234	232	233	238	241	242	235	236	236	231.5
	4	220	218	224	238	242	245	246	242	241	241	236	230	227.4
	5	223	220	223	238	247	248	245	247	248	245	242	240	231.2
	6	220	231	237	245	244	248	244	247	246	242	241	241	231.0
	7	213	229	235	236	238	243	242	242	238	238	237	235	226.3
	8	201	206	218	235	246	250	246	245	243	242	239	236	227.3
	9	205	207	224	237	248	250	251	249	242	239	237	250	231.5
	10	237	242	238	248	250	254	248	248	243	241	237	238	240.1
	11	204	199	211	225	237	237	236	236	237	236	230	226	224.5
	12	189	195	195	213	218	220	218	218	218	217	212	207	206.5
	13	187	193	193	206	217	222	222	222	220	220	217	214	205.5
	14	182	170	180	194	205	213	228	220	224	230	236	235	206.6
	15	193	199	199	205	213	233	238	236	230	223	223	219	208.9
	16	232	242	239	240	242	247	244	254	245	243	242	238	229.4
	17	218	216	218	226	236	233	235	236	230	231	232	228	226.9
	18	183	186	191	205	218	220	223	225	227	226	219	216	212.2
	19	181	184	201	212	219	248	236	234	256	235	224	225	208.0
	20	210	230	236	243	236	237	237	244	239	236	233	228	220.5
	21	198	199	213	224	235	231	242	242	240	246	246	247	222.6
	22	212	220	219	218	224	237	245	238	242	238	232	232	223.5
	23	211	215	224	238	235	230	230	228	225	224	223	219	218.8
	24	218	220	229	233	231	235	236	235	232	231	226	228	221.3
	25	178	191	209	219	230	231	227	228	224	224	224	224	212.6
	26	199	208	220	229	231	234	236	236	234	233	230	227	217.2
	27	211	212	224	236	254	260	261	261	260	261	263	274	234.9
	28	262	261	254	251	244	261	268	269	265	261	259	258	261.5
	29	218	224	236	240	242	248	248	249	248	245	242	242	238.9
	30	218	226	235	246	248	254	256	257	250	249	248	244	237.3
	31	250	245	250	257	262	267	261	260	260	255	252	249	247.9
Hourly Means.		211.2	215.6	222.0	230.6	235.9	240.5	241.4	241.5	240.4	238.2	235.7	234.6	225.9

EASTERLY DECLINATION. A.

HOURLY OBSERVATIONS. — 1° 40' 0 + THE NUMBERS IN THE TABLE.

Mean Batavia Time.		1 A.M.	2	3	4	5	6	7	8	9	10	11	12	—
AUGUST.	1	11.7	12.3	12.5	12.9	12.7	12.7	12.7	11.2	9.5	9.2	9.1	9.5	—
	2	11.7	12.6	12.5	12.5	12.7	12.7	12.7	12.2	10.7	10.6	11.5	11.6	—
	3	12.4	12.5	12.5	12.5	12.5	12.7	13.2	12.7	11.3	10.7	10.7	11.4	—
	4	11.8	12.4	12.3	12.5	12.4	12.6	12.7	11.6	10.1	10.3	10.5	11.3	—
	5	11.7	12.5	12.4	12.5	12.5	12.7	13.7	13.3	11.9	11.5	10.7	10.7	—
	6	11.7	11.8	11.8	11.8	11.8	11.8	12.5	12.1	10.6	10.5	9.7	9.7	—
	7	11.6	12.1	12.5	12.6	12.6	13.0	13.4	12.4	11.1	10.7	11.0	11.0	—
	8	11.5	12.7	12.6	12.5	13.0	12.6	12.6	11.6	10.4	10.1	10.5	11.5	—
	9	12.3	12.2	12.4	12.5	12.7	12.5	12.7	11.9	11.0	10.7	10.4	10.3	—
	10	11.7	11.8	11.9	12.1	12.1	12.2	11.9	10.8	10.3	10.1	10.4	10.7	—
	11	11.5	11.6	11.7	12.5	12.5	12.6	13.0	12.2	11.5	10.7	10.3	9.8	—
	12	11.4	11.6	11.7	11.8	11.9	11.8	13.0	10.7	10.4	10.1	9.5	10.3	—
	13	11.4	10.4	11.5	11.7	11.5	11.5	12.5	11.5	10.3	9.3	9.2	9.2	—
	14	11.6	11.7	11.7	11.8	12.1	12.6	12.9	11.6	10.1	10.4	10.5	11.2	—
	15	11.4	11.5	12.1	11.9	11.8	11.7	11.9	11.3	9.8	10.1	10.5	11.5	—
	16	11.4	11.6	11.6	11.6	11.8	12.4	13.0	12.2	11.1	10.4	10.8	11.1	—
	17	11.4	11.6	11.6	11.5	11.9	12.5	13.0	11.6	10.8	10.3	9.7	10.1	—
	18	11.4	11.6	11.6	11.6	11.8	12.1	12.6	11.9	11.5	11.0	10.6	11.2	—
	19	11.5	11.4	11.8	11.6	12.1	12.7	12.6	11.6	10.5	10.1	9.9	10.5	—
	20	11.6	11.6	11.7	12.1	12.2	12.6	12.9	12.2	11.4	10.6	10.5	11.5	—
	21	11.7	11.7	11.7	11.7	11.8	12.6	13.1	11.9	10.1	9.3	8.9	9.1	—
	22	11.5	11.6	11.6	11.8	12.1	12.4	12.7	11.4	10.0	9.5	9.9	10.1	—
	23	11.7	12.1	11.8	11.7	11.7	12.1	12.5	11.5	9.8	9.0	8.7	9.1	—
	24	11.7	12.1	12.4	12.7	12.4	12.7	12.5	11.9	11.8	11.2	11.1	11.8	—
	25	11.9	12.4	12.7	12.1	12.2	12.2	12.4	11.0	9.3	9.2	9.1	9.5	—
	26	11.7	11.6	11.8	12.2	12.4	12.6	12.9	11.7	10.3	9.8	10.4	11.4	—
	27	11.6	11.7	11.7	12.1	12.5	12.3	11.8	10.8	9.6	9.0	8.9	9.5	—
	28	11.7	11.8	11.8	12.1	12.3	12.7	12.3	10.6	8.7	8.2	8.4	9.1	—
	29	11.7	11.7	11.8	12.2	12.4	12.9	12.9	11.4	9.9	9.5	9.2	9.2	—
	30	11.7	11.8	11.7	12.1	12.5	12.5	12.1	10.7	8.7	7.7	8.2	9.1	—
	31	11.7	11.9	12.3	12.2	12.4	12.9	13.0	11.8	10.5	9.1	8.0	6.9	—
Hourly Means.		11.65	11.87	11.99	12.11	12.24	12.45	12.70	11.65	10.42	9.96	9.90	10.29	—
Mean Batavia Time.		1 P.M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
AUGUST.	1	9.8	11.5	12.6	12.9	12.7	11.8	11.6	11.6	12.1	11.7	11.7	11.8	11.58
	2	11.8	12.7	12.7	12.7	12.7	11.8	11.6	11.7	11.6	11.8	11.7	11.7	12.02
	3	11.5	11.9	12.6	12.9	12.7	12.4	11.7	11.8	11.7	11.7	11.6	11.8	12.06
	4	11.7	12.6	12.6	12.7	12.9	12.5	11.6	11.8	11.6	11.8	11.7	11.9	11.91
	5	10.8	11.6	11.9	11.8	11.6	11.6	11.4	11.6	11.2	11.5	11.5	11.6	11.84
	6	10.7	11.3	11.4	12.5	12.7	11.8	11.3	11.4	11.5	11.2	11.4	11.7	11.45
	7	11.2	11.4	11.6	11.8	11.6	11.5	11.3	11.5	11.4	11.4	11.6	11.1	11.73
	8	12.7	13.2	12.7	12.7	12.6	12.3	11.6	11.7	11.6	11.7	11.6	11.8	11.99
	9	10.6	11.5	12.4	12.6	12.4	11.9	11.7	11.6	11.5	11.5	11.6	11.7	11.78
	10	11.4	11.5	11.6	11.9	12.4	11.8	11.8	11.7	11.6	11.5	11.5	11.6	11.51
	11	10.6	11.7	12.6	12.9	12.9	12.5	12.6	12.5	11.5	11.6	11.4	11.4	11.84
	12	10.4	10.8	12.5	13.8	14.0	13.9	13.9	12.7	11.3	11.7	10.6	11.3	11.71
	13	10.4	11.8	12.5	13.2	12.9	12.6	11.6	11.9	11.6	11.2	11.4	11.6	11.36
	14	11.5	12.7	14.7	14.7	13.5	13.2	11.7	11.9	11.5	11.4	11.5	10.7	11.97
	15	12.4	12.5	14.0	13.8	12.7	12.7	12.4	11.8	11.6	11.6	11.5	11.4	11.83
	16	11.6	12.5	12.7	12.9	13.0	12.7	12.5	11.8	11.7	11.6	10.6	11.4	11.83
	17	10.8	12.4	12.6	13.7	13.7	13.5	12.1	12.1	11.6	11.5	11.4	10.8	11.76
	18	10.8	11.4	12.1	13.7	13.5	12.9	12.2	12.5	11.6	11.6	11.5	11.6	11.85
	19	11.2	11.6	13.2	14.1	13.5	11.9	11.7	12.1	11.6	11.6	11.6	11.6	11.75
	20	11.7	12.4	13.2	13.0	12.9	12.5	12.2	11.8	11.6	11.6	11.6	11.6	11.96
	21	10.5	11.6	12.7	13.0	13.2	13.0	12.7	12.4	11.8	11.4	11.5	11.5	11.62
	22	10.6	11.8	13.2	13.4	13.2	12.1	11.8	11.6	11.7	11.6	11.6	11.6	11.62
	23	9.9	10.6	12.2	12.7	12.7	12.3	11.8	11.6	11.4	11.3	11.4	11.6	11.30
	24	11.7	13.0	12.9	12.7	12.6	11.8	11.4	11.3	11.3	11.5	11.6	11.9	12.00
	25	10.1	11.6	12.5	13.1	12.7	11.9	11.8	11.6	11.5	11.5	11.6	11.7	11.50
	26	12.5	12.7	12.9	13.2	12.9	12.2	11.6	11.7	11.6	11.6	11.6	11.7	11.88
	27	10.5	11.6	12.9	13.5	13.0	12.2	11.8	11.9	11.6	11.7	11.6	11.7	11.48
	28	10.0	11.0	11.9	13.1	13.2	12.7	11.9	11.9	11.6	11.6	11.7	11.8	11.34
	29	10.7	11.7	12.9	13.1	12.5	11.9	11.6	11.6	11.4	11.4	11.6	11.6	11.53
	30	10.8	11.9	13.2	13.9	13.3	12.4	11.8	11.7	11.6	11.6	11.6	11.5	11.42
	31	8.5	11.9	13.1	13.1	12.7	12.3	11.8	11.8	11.6	11.6	11.6	11.7	11.43
Hourly Means.		10.96	11.33	12.66	13.07	12.87	12.34	11.89	11.83	11.56	11.55	11.50	11.56	11.70

HORIZONTAL FORCE. A.

HOURLY OBSERVATIONS — 0.36900 + THE NUMBERS IN THE TABLE,

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
AUGUST.	1	207	211	211	212	220	225	233	216	216	216	221	226	—
	2	198	191	192	199	197	207	220	240	247	254	259	262	—
	3	216	216	219	221	226	230	235	246	256	266	274	273	—
	4	216	216	217	224	226	230	239	241	259	267	272	269	—
	5	221	221	222	223	225	235	241	245	250	261	272	268	—
	6	221	222	223	226	231	240	243	245	254	262	266	267	—
	7	224	229	226	226	231	235	245	253	260	268	273	283	—
	8	231	211	220	226	239	224	228	239	240	247	247	240	—
	9	212	216	216	216	223	230	240	242	254	263	265	256	—
	10	221	221	225	226	226	231	240	248	254	259	259	254	—
	11	226	228	231	231	235	239	245	252	249	250	250	243	—
	12	211	213	211	211	226	230	235	249	262	255	259	234	—
	13	163	204	194	198	203	211	217	233	232	230	229	225	—
	14	197	205	209	214	211	219	230	242	240	230	231	226	—
	15	182	179	191	196	198	211	219	226	233	226	226	231	—
	16	191	198	196	199	204	211	216	222	232	237	225	228	—
	17	187	187	207	209	206	210	216	220	221	245	231	226	—
	18	197	192	205	207	207	216	214	226	224	239	226	228	—
	19	198	200	220	205	209	214	224	235	242	230	240	236	—
	20	192	199	202	201	205	211	225	238	242	249	244	238	—
	21	200	203	203	217	213	216	226	238	250	255	253	248	—
	22	199	198	202	209	209	212	216	226	239	248	245	239	—
	23	209	211	219	217	220	219	225	238	254	260	268	268	—
	24	220	213	218	238	240	249	267	230	209	219	243	178	—
	25	188	190	203	203	204	206	215	226	239	230	245	249	—
	26	206	207	208	208	212	216	225	229	234	235	244	248	—
	27	202	206	211	209	208	214	222	227	231	239	240	237	—
	28	215	216	219	221	222	229	239	251	259	263	250	244	—
	29	216	213	217	219	221	223	236	241	250	255	254	254	—
	30	215	218	220	221	221	222	231	241	250	254	253	248	—
	31	213	212	219	221	225	231	245	256	266	267	267	261	—
Hourly Means.		206.3	207.9	212.1	214.6	21.75	222.5	230.7	237.5	243.5	247.7	249.4	244.7	--
Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
AUGUST.	1	221	212	200	188	190	192	194	195	197	193	193	192	207.5
	2	255	236	221	207	202	198	210	209	209	211	215	212	218.8
	3	263	250	239	226	222	220	225	216	210	212	219	217	233.2
	4	263	246	231	226	223	224	226	221	220	220	224	216	234.1
	5	260	253	240	238	232	229	231	225	224	223	222	221	236.8
	6	250	254	245	232	216	221	229	212	197	215	219	216	233.6
	7	264	259	249	234	227	229	222	230	230	227	220	232	240.7
	8	231	213	217	211	211	211	215	212	212	207	212	215	223.3
	9	248	239	231	221	216	217	216	215	216	215	216	216	229.1
	10	249	240	231	221	221	223	219	216	221	225	225	222	232.4
	11	240	235	230	220	216	217	197	182	207	193	197	202	225.6
	12	225	222	218	192	140	108	106	122	144	116	150	164	196.0
	13	228	213	205	197	187	191	201	196	193	197	197	198	205.9
	14	235	222	169	154	155	154	160	181	186	186	184	197	201.5
	15	221	202	183	168	185	172	187	192	191	174	188	189	198.8
	16	230	218	197	202	200	192	197	195	183	178	193	179	205.1
	17	234	226	205	183	178	158	178	192	190	195	199	203	204.4
	18	213	213	208	188	177	183	196	177	194	197	197	190	204.8
	19	227	214	206	183	173	188	186	181	188	192	191	185	207.0
	20	233	229	214	203	194	202	195	206	202	207	201	194	213.6
	21	236	218	214	210	202	190	180	176	177	191	200	194	212.9
	22	233	227	216	211	212	207	209	210	211	211	209	209	217.0
	23	258	247	233	221	209	204	206	209	216	216	221	219	227.8
	24	200	177	188	181	179	179	182	183	186	184	187	186	205.7
	25	241	227	221	212	210	207	201	197	195	197	198	199	212.6
	26	234	213	207	206	197	202	205	199	202	187	198	203	213.5
	27	224	212	209	204	199	197	210	212	212	211	209	211	214.8
	28	237	230	219	211	209	207	207	208	209	212	211	210	224.9
	29	243	235	226	220	212	207	213	214	216	216	215	215	226.3
	30	234	235	225	217	212	215	217	219	221	216	217	216	226.6
	31	252	245	233	219	222	227	230	226	222	219	216	215	233.7
Hourly Means.		238.1	227.8	217.1	206.6	200.9	199.1	201.6	200.9	202.6	201.4	204.6	204.4	218.3

VERTICAL FORCE. A.														
HOURLY OBSERVATIONS. — 0.19700 + THE NUMBERS IN THE TABLE.														
Mean Batavia Time.	1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—	
AUGUST.	1	232	228	227	227	222	220	222	227	219	209	199	202	—
	2	220	226	223	220	220	215	213	213	214	203	179	175	—
	3	216	214	214	212	210	208	207	214	219	215	204	203	—
	4	227	227	225	220	217	216	208	208	189	175	170	177	—
	5	225	223	221	221	219	209	203	220	224	222	214	214	—
	6	235	234	233	232	228	221	220	217	208	203	199	196	—
	7	220	220	220	221	216	213	205	208	210	204	195	188	—
	8	219	232	225	220	213	220	219	215	209	201	189	190	—
	9	226	226	226	226	222	217	212	217	209	197	197	202	—
	10	228	228	227	227	226	222	219	212	196	186	188	193	—
	11	227	223	222	222	221	215	207	202	206	208	214	217	—
	12	226	226	228	228	220	219	220	222	218	223	220	231	—
	13	239	219	222	226	226	225	222	217	221	226	219	214	—
	14	232	223	220	222	226	217	213	227	229	232	229	232	—
	15	252	251	244	237	239	232	228	223	217	220	223	220	—
	16	244	238	239	237	234	227	225	243	242	244	251	250	—
	17	256	255	239	239	239	235	235	240	244	226	234	232	—
	18	248	251	242	240	239	233	235	231	241	232	234	232	—
	19	249	247	234	244	240	234	232	226	223	229	222	214	—
	20	249	244	240	242	239	232	226	226	228	228	232	231	—
	21	246	245	245	232	236	230	228	234	235	228	230	227	—
	22	246	246	244	239	238	232	230	228	227	220	218	223	—
	23	247	246	240	240	239	235	235	232	226	222	218	217	—
	24	240	244	241	229	229	219	213	244	257	253	238	258	—
	25	248	248	242	240	242	241	243	244	241	244	232	225	—
	26	242	242	241	242	240	238	232	251	251	246	229	229	—
	27	256	255	251	255	254	252	251	244	234	225	223	219	—
	28	253	253	252	252	252	249	252	257	252	245	241	234	—
	29	252	252	249	249	249	246	242	246	240	238	246	239	—
	30	253	251	251	250	250	249	246	245	248	251	240	231	—
	31	253	252	247	245	244	239	234	230	232	237	245	258	—
Hourly Means.	238.9	237.7	234.6	233.4	231.9	227.7	225.1	227.8	226.1	222.3	218.5	218.5	—	
Mean Batavia Time.	1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.	
AUGUST.	1	208	207	210	218	220	226	232	232	232	231	232	229	221.3
	2	182	190	210	223	228	232	225	226	226	226	221	221	213.8
	3	204	213	220	228	232	234	232	234	238	234	229	229	219.3
	4	189	203	216	222	222	225	226	226	228	226	223	226	212.1
	5	216	225	232	239	239	240	238	237	239	238	238	237	226.4
	6	209	210	213	214	227	232	225	232	242	228	221	221	220.8
	7	207	219	222	234	234	232	232	227	225	226	229	221	217.8
	8	203	221	227	233	235	237	232	233	233	234	230	228	220.8
	9	202	203	214	225	232	235	237	237	234	234	231	232	220.5
	10	202	219	226	228	232	234	239	240	235	232	228	229	220.7
	11	210	205	215	226	235	235	246	253	246	244	240	234	223.9
	12	232	221	220	238	275	292	289	273	269	277	250	235	239.7
	13	201	207	213	221	232	239	235	237	240	239	234	232	225.3
	14	226	226	253	263	270	268	265	251	250	252	251	244	238.4
	15	226	239	246	255	251	258	251	250	249	262	253	249	240.6
	16	243	250	258	251	253	261	260	262	267	270	259	265	248.9
	17	224	225	234	244	253	270	258	251	255	251	249	245	243.0
	18	239	237	239	249	259	259	254	263	255	252	252	256	244.7
	19	221	220	226	249	262	254	257	263	257	252	253	255	240.1
	20	232	236	240	247	252	251	252	251	250	246	251	252	240.7
	21	228	231	231	236	244	256	261	261	260	253	246	249	240.5
	22	226	229	234	241	246	253	252	251	250	250	249	247	238.3
	23	223	229	232	240	247	255	253	251	245	244	240	240	237.3
	24	246	249	251	255	258	258	259	258	257	255	251	250	246.3
	25	220	220	220	228	240	248	251	255	254	252	247	246	240.5
	26	238	251	253	257	267	265	263	263	263	270	259	255	249.5
	27	223	227	231	240	255	263	257	257	258	258	257	257	245.9
	28	232	235	239	247	255	263	264	264	262	259	258	257	251.1
	29	239	235	234	245	259	268	264	263	261	259	257	256	249.5
	30	222	217	219	232	251	256	257	255	255	258	256	257	245.8
	31	242	224	232	245	242	243	244	247	249	250	250	249	243.0
Hourly Means.	219.8	223.3	229.4	237.8	245.4	249.7	248.7	248.5	247.9	247.2	243.4	242.0	234.4	

EASTERLY DECLINATION. A.														
HOURLY OBSERVATIONS. — 1° 40'.0 + THE NUMBERS IN THE TABLE.														
Mean Batavia Time.	1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—	
S E P T E M B E R.	1	11.8	12.1	12.3	12.1	12.3	12.7	12.9	11.0	8.7	8.0	8.2	8.6	—
	2	12.3	12.1	12.0	12.0	11.9	12.0	12.4	11.2	9.0	8.3	8.2	8.4	—
	3	11.8	11.8	11.8	11.9	11.8	11.8	12.1	10.6	9.0	8.3	8.4	8.9	—
	4	11.8	11.8	11.8	11.8	12.0	12.1	12.6	11.4	10.2	8.9	9.1	9.5	—
	5	12.1	12.0	12.0	11.9	12.0	12.3	12.3	11.6	10.6	9.8	10.1	11.0	—
	6	12.0	12.0	12.0	12.4	12.1	12.1	12.5	11.2	10.5	9.7	9.7	9.5	—
	7	11.9	12.1	12.1	12.0	11.9	12.5	13.1	11.8	10.8	10.1	10.2	10.6	—
	8	11.0	11.9	11.8	12.3	11.9	12.7	13.2	11.9	11.2	10.9	10.5	11.2	—
	9	11.4	11.6	11.2	11.6	11.7	11.8	11.8	11.3	10.3	9.5	9.8	10.9	—
	10	10.6	11.4	11.2	11.8	11.2	12.0	11.4	11.7	10.7	10.8	11.3	11.7	—
	11	10.5	10.5	11.8	11.7	11.3	12.7	11.0	10.7	9.9	9.9	10.0	9.7	—
	12	11.4	11.7	11.7	12.4	11.9	12.8	12.0	10.1	8.6	8.6	9.0	9.9	—
	13	10.2	10.9	11.8	11.9	12.4	12.8	11.9	10.5	9.4	9.5	10.6	11.6	—
	14	11.9	11.6	11.8	11.9	12.8	13.3	13.2	11.0	10.3	10.5	10.6	11.7	—
	15	11.7	11.8	11.8	12.0	12.0	12.6	12.0	10.3	8.7	8.7	9.4	10.7	—
	16	11.8	11.9	11.8	12.0	12.3	12.7	11.6	10.2	9.1	9.0	9.5	10.0	—
	17	11.3	10.9	11.7	11.8	11.8	12.4	11.9	10.7	9.3	9.5	10.1	10.9	—
	18	11.7	11.7	11.8	11.7	11.8	12.3	12.0	10.7	8.6	7.6	7.2	8.2	—
	19	11.7	11.8	11.8	11.7	11.7	12.1	11.9	10.7	9.3	7.8	7.4	8.5	—
	20	11.7	11.6	11.7	11.8	11.6	11.9	11.9	11.2	10.7	10.3	10.0	10.3	—
	21	11.5	11.4	11.2	11.0	11.0	11.3	10.7	9.5	8.4	8.3	9.5	10.8	—
	22	11.3	11.8	11.8	12.7	12.8	12.5	11.4	9.9	8.5	8.7	9.7	10.9	—
	23	11.6	11.7	11.8	11.8	11.7	11.9	11.9	11.3	10.5	10.2	10.5	10.8	—
	24	11.8	11.7	11.8	11.9	11.8	12.3	11.8	9.8	8.4	9.1	9.5	10.3	—
	25	11.7	11.7	11.8	11.8	11.7	11.6	10.9	10.3	9.5	9.9	10.3	11.5	—
	26	11.7	11.8	11.8	11.7	11.4	11.4	10.7	10.3	9.8	10.7	10.8	11.8	—
	27	11.6	11.7	11.7	11.6	11.3	11.4	10.7	9.5	8.4	8.7	9.5	10.8	—
	28	11.6	11.5	11.5	11.4	11.3	11.0	11.0	8.6	7.4	7.8	8.5	10.1	—
	29	11.5	11.7	11.5	11.5	11.0	11.3	10.5	9.5	8.4	8.5	9.0	10.9	—
	30	11.7	11.6	11.8	11.6	11.0	11.3	10.8	9.1	7.8	8.5	9.7	11.4	—
Hourly Means.	11.55	11.66	11.75	11.86	11.78	12.12	11.80	10.59	9.40	9.20	9.54	10.37	—	
Mean Batavia Time.	1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.	
S E P T E M B E R.	1	10.2	11.9	12.9	13.1	12.9	12.1	12.0	12.1	11.8	11.7	11.7	12.0	11.46
	2	9.5	11.0	12.3	12.8	12.8	11.9	11.7	11.7	11.6	11.6	11.6	11.8	11.25
	3	9.7	10.7	11.7	12.1	12.5	11.9	11.8	11.7	11.6	11.6	11.8	11.8	11.13
	4	10.0	10.5	11.4	12.6	12.9	12.0	11.7	11.6	11.6	11.7	11.8	11.8	11.36
	5	11.9	12.3	12.6	13.1	12.6	12.0	11.8	11.8	11.7	11.8	11.8	11.9	11.79
	6	10.0	11.8	13.1	13.3	13.1	12.5	11.9	11.8	11.6	11.5	11.6	11.8	11.65
	7	10.9	11.6	12.3	12.5	12.4	11.9	11.7	11.7	11.6	11.7	11.5	11.5	11.68
	8	11.6	11.7	12.3	13.1	12.7	12.1	12.0	11.7	11.6	11.5	11.0	10.7	11.77
	9	11.8	11.7	12.9	13.1	14.1	13.3	12.9	11.8	11.6	11.3	10.9	10.0	11.60
	10	13.1	13.9	14.9	14.7	13.6	13.7	13.2	12.4	11.7	11.5	11.3	10.7	12.10
	11	10.7	12.3	14.0	13.2	13.1	13.3	12.0	12.0	11.5	11.8	11.6	10.8	11.50
	12	11.0	12.0	13.1	13.3	12.0	11.9	11.6	11.6	11.8	11.4	11.0	10.9	11.32
	13	12.1	12.9	13.3	13.7	12.8	12.1	11.8	11.7	11.7	11.2	11.2	11.0	11.63
	14	12.7	13.2	13.5	12.4	12.7	12.3	12.1	11.5	11.8	10.7	10.9	11.5	11.91
	15	11.8	13.1	12.7	12.4	12.3	12.1	11.6	11.7	11.6	11.6	11.6	11.8	11.50
	16	10.7	11.5	12.0	12.7	12.3	11.8	11.7	11.8	11.8	11.8	11.5	11.6	11.38
	17	11.8	11.3	11.9	12.1	12.0	11.7	11.8	11.8	11.7	11.6	11.0	11.4	11.35
	18	9.7	11.7	12.9	13.2	12.6	11.8	11.8	11.8	11.7	11.6	11.7	11.7	11.15
	19	10.6	11.8	12.3	12.4	11.9	11.9	12.1	12.1	11.8	11.7	11.7	11.4	11.17
	20	11.0	11.7	11.8	12.0	12.0	12.0	12.0	11.9	11.6	11.6	11.2	11.6	11.46
	21	11.7	12.1	12.8	13.2	12.1	11.6	11.2	11.5	11.3	11.6	10.7	11.8	11.09
	22	11.3	11.3	11.9	12.4	12.5	11.9	11.7	11.8	11.3	11.2	11.3	11.5	11.34
	23	10.7	11.7	12.0	12.0	11.9	11.8	11.8	11.6	11.6	11.5	11.6	11.7	11.48
	24	10.7	11.5	11.8	11.8	11.9	11.9	11.7	11.7	11.4	11.4	11.5	11.8	11.22
	25	12.3	12.4	12.8	12.4	11.8	11.7	11.7	11.7	11.6	11.7	11.7	11.7	11.51
	26	12.5	12.8	12.8	11.9	11.8	11.6	11.7	11.7	11.6	11.7	11.7	11.7	11.56
	27	12.0	12.9	13.3	12.8	11.9	11.5	11.9	11.7	11.5	11.4	11.4	11.4	11.28
	28	11.5	12.6	13.1	12.9	12.0	11.8	11.8	11.8	11.6	11.6	11.5	11.5	11.06
	29	12.9	13.9	13.1	12.5	11.8	11.9	11.7	11.8	11.6	11.8	11.6	11.6	11.31
	30	13.2	13.2	13.4	12.9	12.6	12.0	11.8	11.8	11.0	11.2	11.2	11.4	11.33
Hourly Means.	11.32	12.10	12.70	12.75	12.45	12.07	11.87	11.78	11.60	11.53	11.42	11.46	11.44	

HORIZONTAL FORCE. A.

HOURLY OBSERVATIONS. — 0. 36900 + THE NUMBERS IN THE TABLE.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
S E P T E M B E R.	1	230	221	222	229	237	236	243	253	267	273	269	271	—
	2	218	221	230	229	241	241	247	255	267	276	290	283	—
	3	219	219	222	224	227	228	235	246	257	264	272	268	—
	4	220	219	220	229	233	243	246	255	258	273	275	271	—
	5	222	224	236	234	236	234	247	252	254	263	265	256	—
	6	215	217	219	216	222	223	229	242	250	259	262	258	—
	7	214	213	210	214	217	220	228	243	252	257	252	246	—
	8	188	184	196	204	209	208	214	222	228	238	253	243	—
	9	204	212	202	209	210	215	212	227	242	252	260	239	—
	10	165	175	199	190	190	213	200	213	216	233	247	229	—
	11	159	198	178	183	190	177	201	197	203	211	214	204	—
	12	169	165	171	178	186	196	188	218	233	239	251	236	—
	13	180	191	183	181	181	181	194	211	219	218	207	196	—
	14	186	177	179	187	190	202	198	214	217	211	210	205	—
	15	180	181	192	187	188	191	201	217	226	225	224	218	—
	16	186	190	191	192	192	196	209	219	233	241	244	243	—
	17	186	204	185	190	194	195	205	216	229	241	248	242	—
	18	184	182	186	194	195	198	210	224	233	238	243	237	—
	19	191	190	193	196	194	194	200	210	224	235	243	245	—
	20	190	200	195	200	203	207	216	233	246	258	266	265	—
	21	200	201	205	205	207	210	229	252	266	267	265	257	—
	22	204	190	182	194	198	194	195	216	237	248	243	220	—
	23	195	199	199	200	202	202	195	214	224	235	241	241	—
	24	205	204	208	211	211	205	212	220	231	237	228	233	—
	25	200	205	200	200	205	207	214	223	231	235	238	233	—
	26	205	212	209	205	210	212	215	219	228	232	240	238	—
	27	203	207	208	208	214	212	228	243	248	247	252	253	—
	28	211	215	217	221	222	224	231	243	245	257	263	267	—
	29	205	204	209	213	213	214	222	224	235	242	252	261	—
	30	205	204	199	208	222	213	214	228	252	254	247	250	—
Hourly Means.		198.0	200.8	201.5	204.4	208.0	209.7	216.0	228.3	238.4	245.3	248.8	243.6	—
Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
S E P T E M B E R.	1	256	243	231	222	222	224	219	213	219	224	226	223	236.4
	2	262	246	232	218	216	220	220	215	209	207	214	219	236.5
	3	263	257	239	227	224	220	218	220	216	220	216	214	234.0
	4	257	247	234	220	217	224	233	228	227	225	226	227	237.8
	5	243	234	230	217	212	214	213	209	209	209	212	214	230.8
	6	256	246	237	222	214	217	215	215	215	215	216	213	228.9
	7	243	227	219	218	219	220	226	227	226	216	211	191	225.4
	8	232	222	211	200	203	203	204	205	201	203	207	215	212.2
	9	224	218	204	199	189	180	171	188	188	190	193	205	209.7
	10	195	158	122	136	142	128	129	154	151	150	163	157	177.3
	11	190	176	133	151	138	137	167	144	162	162	159	173	175.4
	12	199	169	157	148	148	151	171	163	154	155	186	178	183.7
	13	194	187	182	174	176	175	164	162	193	168	167	175	185.8
	14	191	190	165	169	165	166	166	173	162	200	175	172	186.3
	15	202	179	166	172	177	181	186	183	181	185	187	186	192.3
	16	228	210	199	191	190	192	196	195	186	185	184	185	203.2
	17	217	199	179	176	176	181	172	171	178	176	181	182	196.8
	18	225	206	190	180	176	186	186	186	189	187	186	188	200.4
	19	236	215	205	198	195	192	185	180	183	186	191	197	203.3
	20	252	230	219	217	209	201	194	185	192	194	195	197	215.2
	21	254	236	232	217	190	193	196	199	199	186	167	170	216.8
	22	212	201	193	190	183	186	186	187	190	195	191	195	201.3
	23	231	209	205	198	200	202	200	200	201	205	201	203	208.4
	24	221	204	198	197	200	202	205	201	200	196	198	200	209.5
	25	233	220	211	208	205	205	207	205	200	202	204	201	212.2
	26	233	224	216	210	209	207	205	204	203	201	201	203	214.2
	27	214	233	222	210	210	208	205	204	206	207	208	209	220.4
	28	261	247	225	211	208	208	210	214	210	205	206	205	226.1
	29	257	244	224	212	205	194	198	201	201	198	200	205	218.0
	30	218	237	229	219	214	209	189	160	173	178	191	183	213.6
Hourly Means.		232.0	217.1	203.6	197.6	194.4	194.2	194.5	193.0	194.1	194.3	195.4	196.2	210.4

VERTICAL FORCE. A.

HOURLY OBSERVATIONS. — 0.19700+ THE NUMBERS IN THE TABLE.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
S E P T E M B E R.	1	190	192	191	186	181	177	179	193	188	181	179	170	—
	2	199	197	190	190	184	181	179	174	172	157	145	152	—
	3	192	192	191	189	187	185	187	197	188	180	172	172	—
	4	201	200	198	192	190	182	182	190	191	180	175	176	—
	5	203	200	193	194	192	188	182	187	182	168	163	164	—
	6	204	204	203	204	200	198	196	199	194	184	176	178	—
	7	209	209	210	207	206	198	198	204	198	190	189	198	—
	8	228	223	212	205	206	199	199	199	187	183	174	186	—
	9	209	204	209	205	203	200	205	206	202	186	182	187	—
	10	236	207	206	212	212	193	205	198	194	188	173	191	—
	11	223	199	210	210	209	211	197	206	205	198	192	198	—
	12	216	216	211	205	204	199	210	211	201	197	187	192	—
	13	215	214	212	215	213	216	212	203	191	175	176	180	—
	14	214	218	218	212	209	201	219	226	221	217	209	198	—
	15	217	216	211	214	215	212	220	224	222	211	202	191	—
	16	218	217	215	214	214	212	216	214	208	194	187	186	—
	17	213	202	214	207	204	202	208	214	204	184	171	176	—
	18	213	213	210	204	203	203	209	227	221	210	192	179	—
	19	216	216	213	210	211	208	213	217	211	204	190	175	—
	20	216	208	209	205	203	196	193	187	180	179	174	162	—
	21	205	204	202	203	202	197	191	181	170	170	163	164	—
	22	206	208	215	206	204	208	213	209	190	180	173	178	—
	23	212	211	212	212	212	211	218	217	215	205	201	198	—
	24	212	214	212	210	210	211	223	219	243	230	228	210	—
	25	226	223	227	228	225	222	223	221	206	198	192	188	—
	26	221	217	218	221	218	216	219	222	215	211	198	193	—
	27	223	222	221	222	221	220	221	205	187	171	150	132	—
	28	168	166	166	164	163	163	166	168	171	156	133	125	—
	29	180	178	175	174	174	172	178	177	167	151	133	110	—
	30	175	175	180	174	163	166	176	175	145	128	109	106	—
Hourly Means.		208.7	205.5	205.1	203.1	201.3	198.2	201.2	203.3	195.6	185.5	176.3	173.8	—
Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
S E P T E M B E R.	1	161	168	174	181	191	198	203	206	203	199	197	198	186.9
	2	169	173	177	182	191	194	193	196	199	200	197	193	182.7
	3	173	182	186	191	199	208	208	206	206	204	205	206	191.9
	4	186	188	189	193	199	202	197	200	202	203	202	200	192.4
	5	173	192	197	209	214	213	211	212	211	210	206	204	194.5
	6	174	172	180	197	208	211	212	212	211	210	208	209	197.7
	7	200	211	211	212	211	212	210	208	209	214	213	226	206.4
	8	199	206	210	210	212	215	215	212	212	212	210	202	204.8
	9	205	211	213	215	221	227	236	224	222	221	221	210	209.3
	10	211	221	238	229	232	242	240	227	230	229	216	223	214.7
	11	204	199	217	208	230	232	228	228	217	218	219	215	211.4
	12	204	218	215	222	230	225	228	227	234	229	214	212	212.8
	13	182	198	208	217	221	225	232	237	222	228	229	222	210.1
	14	209	210	228	235	231	232	234	233	235	220	227	223	220.0
	15	199	210	222	223	220	220	223	225	226	223	221	219	216.1
	16	192	198	204	210	211	211	210	210	218	220	217	216	208.8
	17	190	204	211	211	214	212	218	222	216	217	217	216	206.1
	18	170	175	192	202	216	218	217	217	218	220	221	220	207.1
	19	168	183	197	208	215	215	218	221	221	217	216	215	207.4
	20	168	181	191	197	206	211	215	221	215	212	210	209	197.8
	21	172	184	187	205	227	224	220	218	214	217	234	228	199.3
	22	192	199	209	210	212	215	218	217	216	214	216	215	205.1
	23	203	212	212	216	217	216	219	221	216	215	215	215	212.5
	24	216	221	221	226	227	229	229	232	232	235	229	227	224.0
	25	191	204	206	215	222	227	226	227	229	228	225	223	216.8
	26	192	205	213	225	227	230	229	231	229	229	228	226	218.0
	27	127	137	157	177	183	183	180	178	173	172	170	169	183.4
	28	125	137	155	170	180	184	180	179	181	186	184	183	164.7
	29	119	139	168	185	188	190	187	186	185	185	184	179	169.3
	30	113	138	150	167	170	173	182	205	196	186	174	178	162.7
Hourly Means.		179.6	189.2	197.9	204.9	210.8	213.1	213.9	214.6	213.3	212.4	210.8	209.4	201.1

EASTERLY DECLINATION. A.

HOURLY OBSERVATIONS. — 1° 40' 0 + THE NUMBERS IN THE TABLE.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
OCTOBER.	1	11.2	11.2	11.8	11.9	11.7	12.6	11.5	9.9	9.0	8.6	10.0	11.5	—
	2	11.8	11.8	11.7	11.9	12.0	12.3	11.7	10.0	9.5	9.5	9.3	10.4	—
	3	11.6	11.9	12.0	12.3	12.1	12.1	11.4	9.7	9.1	9.0	9.4	10.0	—
	4	12.0	12.0	12.0	12.0	12.0	12.2	11.8	10.3	9.3	9.3	9.9	11.1	—
	5	11.7	11.8	11.8	11.6	11.5	11.7	10.8	9.7	9.5	9.0	9.7	11.5	—
	6	11.5	11.4	11.2	11.4	11.1	11.8	10.8	10.1	9.7	10.4	11.0	12.2	—
	7	10.9	11.2	11.2	11.7	12.0	12.5	10.7	11.4	10.8	10.9	10.9	12.8	—
	8	10.9	10.9	11.0	10.9	10.7	11.4	10.7	9.5	9.4	9.6	10.0	12.0	—
	9	11.5	11.1	11.8	11.5	11.0	10.8	10.0	8.9	9.1	9.5	9.7	10.7	—
	10	11.8	11.0	11.8	11.2	12.0	12.0	12.0	11.1	10.9	10.9	10.9	11.6	—
	11	11.2	10.9	10.8	11.1	11.0	11.4	10.7	10.1	10.5	10.2	10.9	12.1	—
	12	11.7	11.8	11.1	11.6	11.6	11.4	11.0	9.5	8.7	8.9	8.7	10.0	—
	13	11.7	11.5	11.8	11.4	11.5	11.6	10.8	10.0	10.0	10.3	11.0	12.7	—
	14	11.7	11.0	11.2	11.4	11.4	11.4	10.9	10.9	10.9	11.0	10.9	11.7	—
	15	11.8	11.6	11.4	11.4	11.2	11.2	10.8	10.2	10.5	11.0	11.9	13.3	—
	16	11.6	11.6	11.5	11.2	11.0	11.0	10.1	9.0	8.7	8.6	9.4	11.0	—
	17	11.5	11.4	11.4	11.2	11.2	11.4	10.4	9.5	8.9	9.1	9.9	11.1	—
	18	11.9	11.7	11.2	11.2	11.2	11.7	10.9	10.3	10.4	10.9	10.7	11.5	—
	19	10.7	11.2	11.1	11.8	11.7	11.4	10.3	9.2	9.4	10.2	10.1	10.9	—
	20	11.7	11.5	11.4	11.6	11.4	11.1	10.4	9.5	9.4	9.6	10.4	11.4	—
	21	11.6	11.2	11.0	11.0	10.9	10.8	9.9	9.7	9.6	9.3	10.3	11.5	—
	22	11.5	11.9	11.0	11.8	11.4	10.1	10.9	10.5	9.6	9.7	10.0	11.0	—
	23	11.2	11.6	11.5	11.7	11.8	11.7	10.9	10.2	9.4	9.2	9.9	11.7	—
	24	11.2	11.5	11.4	11.1	11.1	10.9	9.5	9.0	9.1	9.5	10.1	11.9	—
	25	11.2	11.2	11.2	11.0	10.8	10.3	8.6	8.4	8.5	9.0	10.7	12.1	—
	26	11.2	11.2	11.2	11.2	11.1	10.8	9.1	8.6	8.9	9.5	10.3	12.0	—
	27	11.2	11.1	11.6	10.9	11.0	11.0	10.2	9.1	8.4	9.0	10.0	11.8	—
	28	11.8	11.9	11.7	11.5	11.7	11.9	9.9	8.6	8.1	8.4	8.6	10.8	—
	29	11.2	11.4	11.5	11.7	11.4	11.5	10.5	8.7	8.1	7.9	9.0	9.7	—
	30	11.6	11.6	11.6	11.2	11.2	11.6	11.1	10.4	9.9	9.7	9.7	10.4	—
	31	11.2	11.1	11.0	11.1	10.9	11.0	10.2	9.5	8.8	8.7	8.8	9.9	—
Hourly Means.		11.46	11.43	11.42	11.44	11.37	11.44	10.60	9.73	9.42	9.56	10.07	11.36	—
Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
OCTOBER.	1	12.2	13.3	13.1	13.0	12.2	12.0	12.0	11.9	12.0	11.8	11.9	11.8	11.59
	2	12.0	12.9	13.3	13.0	12.5	11.9	11.8	11.9	11.7	11.7	11.6	11.6	11.58
	3	11.7	12.7	13.6	13.4	12.8	12.0	11.9	11.9	11.7	11.6	11.4	11.7	11.54
	4	12.2	13.0	13.1	12.9	12.3	12.0	11.9	11.8	11.5	11.5	11.4	11.6	11.63
	5	12.8	13.1	13.1	12.9	12.1	12.2	12.0	12.0	11.7	11.5	11.9	11.5	11.55
	6	12.2	13.4	13.8	13.3	13.3	12.6	12.0	11.6	12.0	10.8	10.9	11.1	11.65
	7	15.1	13.3	13.3	13.0	13.0	12.0	11.2	11.6	11.5	11.2	10.9	11.4	11.85
	8	13.8	14.6	14.9	15.2	14.1	12.5	11.4	12.0	12.0	11.1	11.0	10.5	11.67
	9	12.0	13.1	13.4	12.1	12.9	12.1	12.1	11.4	11.8	11.1	11.1	11.9	11.28
	10	13.1	13.8	13.3	12.8	12.8	12.5	11.6	11.1	11.1	11.2	12.0	11.2	11.82
	11	13.3	13.4	13.1	12.7	13.1	13.0	11.8	12.0	11.8	11.7	11.7	11.7	11.68
	12	11.8	12.7	13.3	13.4	13.1	12.6	11.9	11.7	11.4	11.4	11.6	11.0	11.33
	13	13.3	13.3	12.7	12.5	12.0	12.2	11.8	12.0	12.0	11.9	11.8	11.6	11.73
	14	12.3	12.2	12.3	12.5	12.3	12.3	12.2	12.0	11.8	11.8	11.9	11.9	11.66
	15	14.3	14.5	14.3	13.4	12.7	12.7	12.6	12.3	12.1	12.0	11.7	11.7	12.11
	16	12.3	12.9	13.0	12.8	12.2	12.3	12.0	11.9	11.7	11.6	11.4	11.5	11.26
	17	12.0	12.3	13.1	12.3	12.5	12.8	12.2	12.1	12.0	12.0	11.7	11.8	11.41
	18	12.1	12.3	12.0	12.0	12.1	12.0	12.1	11.9	11.9	11.7	11.7	9.9	11.47
	19	11.1	12.2	13.1	12.7	12.0	12.5	11.9	12.0	11.8	11.9	11.8	11.8	11.37
	20	12.0	12.6	12.6	12.1	12.0	12.0	11.9	11.6	11.5	11.4	11.4	11.6	11.34
	21	12.3	13.1	13.0	12.3	12.2	11.9	11.8	11.7	11.1	11.7	11.9	12.0	11.33
	22	11.9	11.9	11.8	11.7	12.0	12.0	11.9	11.7	11.6	11.4	11.1	11.5	11.25
	23	12.0	12.2	12.0	12.0	11.9	11.9	11.8	11.5	11.5	11.2	11.4	11.2	11.31
	24	13.1	13.5	13.0	12.3	11.9	11.9	11.9	11.7	11.4	11.4	11.2	11.2	11.28
	25	13.1	13.4	13.1	12.9	12.5	12.2	12.0	11.9	11.6	11.4	11.4	11.4	11.25
	26	12.9	12.2	12.1	12.0	11.9	12.0	12.0	11.9	11.8	11.8	11.6	11.8	11.21
	27	12.5	13.0	13.0	12.8	12.1	11.6	11.4	11.8	11.6	11.6	12.0	12.0	11.28
	28	12.0	12.8	12.7	12.2	12.3	12.1	11.7	11.8	11.7	11.5	11.4	11.2	11.18
	29	11.8	12.2	12.2	12.3	12.2	12.0	11.9	11.7	11.1	9.9	11.1	11.4	10.93
	30	11.8	12.8	13.0	12.7	12.3	11.9	11.9	11.5	11.2	11.1	11.1	11.1	11.35
	31	11.8	12.9	12.9	12.9	13.0	12.2	11.9	11.7	11.6	11.5	11.3	11.5	11.14
Hourly Means.		12.48	12.95	13.01	12.71	12.46	12.19	11.89	11.79	11.65	11.46	11.49	11.45	11.45

HORIZONTAL FORCE. A.

HOURLY OBSERVATIONS — 0.36900 + THE NUMBERS IN THE TABLE,

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
OCTOBER.	1	194	189	197	192	202	197	207	212	214	217	222	226	—
	2	197	190	197	200	203	206	214	216	226	235	245	235	—
	3	187	183	192	192	195	191	195	207	216	213	218	221	—
	4	190	188	196	195	196	197	202	212	216	222	230	232	—
	5	194	195	196	196	192	196	206	214	221	229	230	237	—
	6	195	198	200	198	207	203	225	240	249	242	240	238	—
	7	183	169	207	180	182	164	184	172	187	184	196	192	—
	8	152	173	174	173	203	182	202	207	217	215	194	184	—
	9	138	145	147	154	154	167	161	178	184	188	173	170	—
	10	163	159	164	171	178	183	164	183	187	182	177	169	—
	11	189	184	168	164	159	171	170	171	191	197	189	185	—
	12	169	172	174	169	182	183	178	193	197	204	212	220	—
	13	155	168	168	173	172	173	175	186	192	196	197	195	—
	14	165	168	187	180	184	183	187	195	207	214	213	215	—
	15	175	183	188	189	191	193	197	206	209	221	230	221	—
	16	188	193	194	194	197	198	205	216	226	231	236	231	—
	17	188	190	188	189	191	194	204	218	230	239	243	249	—
	18	188	192	192	196	199	205	217	231	247	257	269	262	—
	19	163	178	195	183	188	191	193	214	216	215	234	231	—
	20	178	186	191	189	190	193	199	207	217	226	230	227	—
	21	205	217	215	217	220	214	221	226	230	237	243	247	—
	22	192	182	182	188	189	186	192	198	216	217	213	211	—
	23	188	196	199	195	196	197	203	210	217	226	226	223	—
	24	192	195	197	200	202	207	214	220	227	230	230	227	—
	25	200	206	203	209	211	211	223	223	233	245	249	240	—
	26	206	207	201	202	205	207	217	229	240	249	245	242	—
	27	217	201	218	212	203	199	203	225	240	239	235	230	—
	28	197	189	188	192	197	192	211	207	213	218	227	207	—
	29	195	185	208	199	195	199	211	215	211	215	215	200	—
	30	177	182	188	189	191	191	195	203	206	216	221	216	—
	31	184	186	188	187	192	195	203	215	226	242	238	222	—
Hourly Means.		184.0	185.5	190.4	189.3	192.5	192.5	199.3	208.0	216.4	221.3	223.2	219.5	—
Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
OCTOBER.	1	207	196	192	194	197	193	195	194	192	194	192	192	200.3
	2	226	211	199	199	199	198	198	198	200	197	191	182	206.8
	3	222	214	206	197	195	192	195	193	192	190	192	191	199.5
	4	226	209	197	193	195	194	195	193	192	193	192	195	202.1
	5	230	217	202	197	198	197	195	195	204	197	190	193	205.0
	6	242	221	201	178	155	139	159	163	150	158	150	148	195.8
	7	147	166	151	150	160	154	162	154	154	168	182	164	171.3
	8	165	130	133	110	89	135	155	131	111	122	173	150	161.7
	9	144	138	131	150	134	148	131	159	140	147	145	169	154.0
	10	171	142	150	146	140	137	159	170	145	154	148	170	163.0
	11	185	164	159	150	151	138	168	150	156	170	178	169	169.8
	12	217	201	179	146	136	133	158	165	159	161	151	164	176.0
	13	188	177	176	169	168	160	172	173	169	178	169	173	175.9
	14	207	197	182	178	168	167	156	162	170	173	178	170	183.6
	15	209	200	190	179	182	176	169	162	164	176	183	183	190.7
	16	217	206	196	186	178	176	181	179	181	183	192	184	198.7
	17	239	221	197	195	185	177	171	176	163	144	174	175	197.5
	18	254	244	230	216	221	204	197	190	185	184	191	197	215.3
	19	218	183	157	154	150	151	169	166	173	164	169	177	184.7
	20	222	219	214	206	205	199	197	200	202	205	200	195	204.0
	21	243	216	215	197	197	192	188	191	191	173	188	191	211.4
	22	202	197	195	192	188	188	188	188	189	187	187	192	194.1
	23	214	207	200	194	191	187	185	185	185	188	191	192	199.8
	24	220	216	209	204	203	201	200	198	198	199	199	201	207.9
	25	225	217	212	207	206	199	206	206	206	202	203	203	214.4
	26	235	231	221	211	207	204	206	204	201	202	211	199	215.9
	27	222	218	208	204	198	193	202	201	195	186	170	188	208.6
	28	187	180	184	185	176	174	185	189	189	189	188	194	194.1
	29	191	185	184	179	182	181	171	163	178	192	200	169	192.6
	30	211	201	188	173	178	186	186	180	184	185	185	184	192.3
	31	223	214	209	198	193	189	190	193	187	190	192	195	202.1
Hourly Means.		210.0	198.0	189.3	181.8	178.2	176.2	180.3	179.7	177.6	179.1	182.4	182.2	193.2

VERTICAL FORCE. A.

HOURLY OBSERVATIONS — 0.19700 + THE NUMBERS IN THE TABLE.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
OCTOBER.	1	265	268	269	271	268	271	283	290	282	261	244	226	—
	2	254	257	249	244	242	239	248	269	256	237	227	218	—
	3	266	265	255	254	250	254	258	266	254	247	232	222	—
	4	266	266	260	259	259	255	263	261	259	249	238	225	—
	5	254	254	253	252	254	249	253	247	240	222	206	198	—
	6	247	244	243	244	239	237	233	222	208	207	204	209	—
	7	235	240	219	236	236	248	238	249	238	230	220	209	—
	8	258	238	245	242	226	238	234	233	223	217	217	217	—
	9	249	243	238	236	237	233	243	237	227	222	223	211	—
	10	233	238	237	233	230	229	247	243	237	233	227	217	—
	11	222	229	242	243	243	234	243	249	231	225	219	209	—
	12	232	231	230	234	227	229	239	234	226	218	207	193	—
	13	243	238	235	233	235	237	238	222	212	207	196	190	—
	14	231	229	213	220	218	219	221	222	217	213	217	213	—
	15	226	220	217	217	217	215	218	207	194	185	174	175	—
	16	208	204	203	203	201	201	208	211	195	184	164	162	—
	17	216	214	214	212	211	209	213	206	193	180	160	148	—
	18	198	195	198	195	193	190	191	187	181	179	173	164	—
	19	222	212	199	202	203	199	205	195	190	189	170	176	—
	20	213	210	206	205	202	206	205	203	189	179	173	171	—
	21	205	200	199	197	197	199	196	190	184	172	168	167	—
	22	209	212	213	208	206	207	206	200	190	185	180	178	—
	23	207	204	202	204	204	201	208	206	199	187	177	179	—
	24	213	210	207	205	205	206	207	212	198	190	173	160	—
	25	196	193	194	190	190	195	196	195	182	165	149	145	—
	26	195	193	195	195	195	199	205	196	185	170	158	146	—
	27	196	207	199	200	206	211	214	213	197	181	166	160	—
	28	222	226	228	227	224	236	236	250	246	227	210	207	—
	29	240	248	233	239	242	243	249	253	249	235	222	222	—
	30	263	258	255	254	253	254	259	259	265	257	255	250	—
	31	266	265	264	262	259	260	260	252	248	239	223	210	—
Hourly Means.		230.6	229.4	226.3	226.3	224.9	225.9	229.6	228.4	219.2	209.4	199.1	192.8	—
Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
OCTOBER.	1	223	227	245	254	257	255	257	259	259	259	259	259	258.8
	2	217	233	249	259	261	261	261	263	261	262	265	268	250.0
	3	218	220	229	244	257	266	266	265	267	268	269	267	252.5
	4	227	238	252	259	259	260	259	258	258	257	256	255	254.1
	5	203	225	243	249	249	249	251	251	245	248	252	249	241.5
	6	211	226	242	259	269	273	259	254	259	256	256	254	239.8
	7	235	235	250	254	248	250	254	250	256	243	240	246	240.0
	8	231	239	242	254	269	244	243	251	270	254	223	240	239.5
	9	221	233	233	239	244	243	253	239	249	247	246	232	236.6
	10	214	239	240	247	252	252	243	239	255	243	249	233	237.9
	11	213	228	238	242	243	251	243	246	243	233	228	233	234.6
	12	191	198	210	243	254	255	243	239	244	243	249	241	229.6
	13	197	213	222	227	228	233	230	227	231	226	231	227	224.1
	14	218	228	234	235	240	240	245	241	233	228	227	231	226.4
	15	191	204	215	230	229	228	229	231	228	219	213	211	212.2
	16	170	191	206	221	227	226	223	223	223	222	215	217	204.5
	17	163	181	199	207	207	212	213	212	218	228	207	202	201.0
	18	168	180	196	202	200	208	209	212	215	213	207	212	194.4
	19	190	212	239	234	230	228	221	218	217	220	218	216	208.5
	20	179	185	196	206	205	206	211	211	211	212	211	212	200.3
	21	179	197	200	211	214	217	220	217	217	222	212	207	199.5
	22	190	197	205	206	206	211	213	215	212	212	241	206	203.3
	23	189	220	229	231	234	237	238	234	229	226	221	216	211.8
	24	171	188	198	211	216	212	211	210	207	205	202	199	200.7
	25	160	168	177	186	191	199	199	198	200	200	198	198	186.0
	26	162	175	183	195	200	203	204	206	206	206	201	206	190.8
	27	172	185	197	208	222	226	224	227	232	241	245	237	206.9
	28	214	226	227	228	241	246	246	244	244	245	247	244	233.0
	29	229	237	239	245	247	252	262	270	261	259	250	267	245.5
	30	244	244	254	269	268	262	265	270	270	269	268	266	259.6
	31	198	207	212	216	220	229	230	232	239	240	243	245	238.3
Hourly Means.		199.6	212.2	222.6	231.3	235.1	236.6	236.3	235.9	237.4	235.7	232.9	232.1	224.6

EASTERLY DECLINATION. A.

HOURLY OBSERVATIONS. — 1° 46'.0 + THE NUMBERS IN THE TABLE.

Mean Batavia Time.		1 A.M.	2	3	4	5	6	7	8	9	10	11	12	—
NOVEMBER.	1	11.4	11.4	11.6	11.5	11.4	11.1	10.1	9.3	8.9	8.9	9.3	11.1	—
	2	10.9	11.1	10.9	10.9	10.7	10.5	9.4	8.4	8.4	9.2	9.8	11.6	—
	3	10.4	10.2	10.5	9.6	10.9	11.2	10.2	9.4	9.2	9.4	10.6	11.5	—
	4	10.9	10.5	11.1	11.4	11.6	9.8	9.4	9.0	9.1	9.0	10.6	11.7	—
	5	11.7	11.9	11.6	11.7	11.4	11.9	10.5	8.7	7.3	8.1	8.8	10.7	—
	6	9.3	10.9	10.8	10.8	10.9	10.6	9.6	8.3	7.9	8.6	9.4	11.5	—
	7	11.5	11.6	12.2	11.2	11.3	10.7	9.8	9.3	8.7	8.6	10.4	12.0	—
	8	11.2	11.3	11.1	10.7	10.6	9.6	8.8	8.8	9.2	10.1	11.2	11.7	—
	9	11.1	11.2	10.9	10.9	10.6	10.2	8.9	8.7	9.7	10.5	11.1	11.5	—
	10	10.8	10.6	10.6	10.5	10.1	10.0	9.3	9.1	9.4	10.5	10.8	10.9	—
	11	10.7	10.8	10.7	10.6	10.4	9.8	9.6	8.3	9.3	9.8	10.6	11.2	—
	12	10.6	10.5	10.5	10.2	9.7	8.3	7.0	7.1	7.5	9.2	10.4	11.7	—
	13	10.7	10.6	10.5	10.2	9.7	8.7	8.4	8.9	9.6	9.4	10.7	11.7	—
	14	10.4	10.2	10.1	10.1	9.6	8.6	7.9	7.1	7.9	9.0	10.5	11.7	—
	15	10.9	11.1	10.9	11.1	10.9	10.7	9.6	8.3	8.1	8.4	9.7	11.5	—
	16	10.5	10.5	10.6	10.5	10.0	10.4	8.7	8.4	8.1	8.4	9.6	10.9	—
	17	10.7	10.6	10.4	10.6	9.8	9.2	8.6	7.9	8.2	9.4	10.8	12.3	—
	18	10.6	10.6	10.6	10.7	10.4	11.1	8.9	8.2	7.5	7.8	9.4	10.8	—
	19	10.6	10.6	10.5	10.4	10.4	10.6	9.6	9.4	9.4	9.6	10.7	11.3	—
	20	10.5	10.6	10.5	10.6	10.4	10.6	9.7	9.2	8.6	8.3	9.2	10.5	—
	21	10.6	11.2	10.8	10.8	10.6	10.5	9.4	8.7	8.3	8.3	9.6	10.6	—
	22	10.6	10.6	10.5	10.5	10.5	10.4	9.4	9.2	8.6	8.7	9.7	10.7	—
	23	10.6	10.6	10.6	10.6	10.5	10.5	9.9	9.2	8.3	8.2	9.4	11.6	—
	24	10.4	9.4	9.4	10.6	9.8	9.8	9.0	8.7	9.2	10.0	11.7	12.4	—
	25	10.7	10.7	10.6	10.0	10.0	9.8	9.4	9.0	9.4	10.4	11.8	12.7	—
	26	10.1	10.5	10.5	10.6	10.2	9.8	8.7	7.9	8.2	9.1	10.1	12.0	—
	27	10.7	10.6	10.5	10.4	9.9	9.3	8.3	7.1	7.1	7.7	9.6	11.1	—
	28	10.6	10.6	10.4	10.4	10.5	10.1	9.1	8.4	7.7	7.7	8.9	10.4	—
	29	10.7	10.7	10.7	10.7	10.5	10.1	9.0	8.4	8.2	8.9	9.6	10.7	—
	30	10.4	10.1	10.0	9.6	10.4	10.7	8.4	7.6	7.7	7.6	9.4	10.7	—

Hourly Means.	10.69	10.73	10.69	10.61	10.46	10.15	9.15	8.53	8.49	8.96	10.11	11.36	—
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Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
NOVEMBER.	1	12.6	12.9	12.9	12.7	12.4	11.9	11.4	11.4	11.0	11.2	11.1	11.1	11.19
	2	12.8	13.5	13.6	13.1	12.8	12.8	13.1	11.7	10.8	11.1	10.6	10.6	11.18
	3	11.8	12.0	12.8	13.3	13.8	11.4	11.2	11.7	10.6	10.9	10.5	9.8	10.95
	4	13.0	13.5	13.9	14.2	12.7	12.5	11.2	12.3	11.4	10.8	10.7	11.5	11.33
	5	12.0	13.1	13.9	13.3	13.1	11.9	12.0	11.4	11.7	10.8	10.6	10.0	11.17
	6	11.8	13.0	13.5	13.0	12.5	11.8	11.3	10.7	11.1	9.9	10.4	10.7	10.76
	7	13.4	12.7	12.7	12.5	12.0	11.8	10.7	11.1	10.6	9.8	10.8	10.9	11.10
	8	11.8	11.8	12.3	12.3	11.9	11.6	11.7	11.5	11.3	11.1	11.1	11.2	11.00
	9	11.3	11.6	11.8	11.7	11.7	11.3	10.5	10.8	10.8	10.8	10.7	10.6	10.79
	10	12.0	12.8	12.7	12.3	11.7	11.4	11.6	11.5	10.6	10.8	10.9	10.9	10.91
	11	11.7	11.6	11.8	11.8	11.5	10.9	10.8	10.9	10.9	10.7	10.9	10.4	10.65
	12	13.1	13.5	13.8	13.1	12.2	12.2	11.7	11.3	10.9	10.6	10.5	10.6	10.68
	13	12.3	13.0	13.0	13.1	12.2	11.8	11.7	11.1	10.6	10.4	10.5	10.2	10.79
	14	12.2	11.9	11.6	11.6	11.7	11.6	11.6	11.5	11.4	11.3	11.2	11.1	10.49
	15	11.9	12.4	12.5	11.8	11.5	11.6	11.4	10.9	10.9	10.9	10.6	10.5	10.75
	16	12.0	12.2	11.9	11.9	11.7	11.3	11.4	11.1	11.1	11.1	10.9	10.6	10.58
	17	13.2	13.8	13.8	13.0	12.6	11.7	11.4	11.1	10.7	10.6	10.6	10.8	10.91
	18	11.3	11.5	12.3	12.4	12.2	11.5	11.3	11.1	11.1	10.8	10.7	10.7	10.56
	19	11.9	12.4	12.8	12.6	11.7	11.3	11.2	11.1	11.2	10.7	10.6	10.5	10.88
	20	11.7	12.8	14.6	13.9	13.2	12.3	11.5	11.6	11.4	10.6	10.6	10.5	10.98
	21	11.7	11.8	12.4	12.3	11.6	11.3	11.1	10.7	10.6	10.6	10.6	10.6	10.61
	22	11.7	12.5	12.8	12.5	11.8	11.7	11.3	10.9	10.9	10.8	10.6	10.6	10.73
	23	13.0	13.4	12.6	12.5	11.8	11.7	11.3	11.5	10.8	10.7	10.5	9.9	10.82
	24	13.0	13.0	12.7	12.6	11.7	11.3	11.5	10.7	10.5	10.7	10.6	10.7	10.81
	25	12.3	12.5	13.0	12.4	11.2	10.7	10.5	10.6	10.8	10.7	10.6	10.2	10.83
	26	13.3	13.0	12.6	12.2	11.2	10.8	10.9	10.8	10.8	10.8	10.6	10.6	10.64
	27	12.0	12.8	12.8	12.4	11.6	10.9	10.9	10.9	10.8	10.8	10.7	10.6	10.40
	28	11.7	12.6	12.7	11.8	11.3	10.8	10.8	10.9	10.8	10.8	10.6	10.7	10.43
	29	11.8	12.3	12.3	11.8	11.6	10.9	10.6	10.9	10.6	9.0	10.5	10.4	10.45
	30	12.0	13.2	13.0	12.4	12.3	12.4	11.8	10.6	10.5	10.5	10.4	8.9	10.44

Hourly Means.	12.21	12.64	12.84	12.55	12.04	11.57	11.31	11.14	10.91	10.68	10.67	10.55	10.79
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HORIZONTAL FORCE. A.

HOURLY OBSERVATIONS. — 0. 36900 + THE NUMBERS IN THE TABLE.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
NOVEMBER.	1	197	196	191	191	191	198	207	217	224	230	233	225	—
	2	209	210	208	209	218	222	229	242	253	262	267	263	—
	3	172	181	190	196	190	178	184	184	203	202	196	176	—
	4	159	171	167	175	177	173	186	190	194	205	186	188	—
	5	178	193	189	186	184	177	176	184	194	183	186	185	—
	6	228	181	185	186	181	184	199	208	207	208	209	186	—
	7	167	176	171	209	195	200	197	191	204	205	195	190	—
	8	183	189	193	191	194	200	209	217	216	221	214	209	—
	9	195	195	203	195	200	198	210	223	228	228	219	212	—
	10	207	199	197	195	200	200	213	224	238	242	232	224	—
	11	195	200	198	196	202	205	213	226	230	235	234	232	—
	12	190	196	200	200	205	209	210	214	219	218	214	209	—
	13	184	174	181	195	195	195	200	204	219	223	216	205	—
	14	176	189	189	195	210	212	214	221	228	233	228	222	—
	15	203	204	205	205	207	219	225	235	247	250	248	239	—
	16	199	197	209	221	213	209	212	199	204	208	212	211	—
	17	205	209	212	213	212	214	219	225	242	249	251	243	—
	18	197	199	213	193	194	187	189	190	195	198	200	201	—
	19	203	205	211	209	204	200	204	208	219	233	224	222	—
	20	214	209	218	214	212	215	208	209	228	238	251	252	—
	21	187	191	195	196	193	195	195	191	200	200	196	196	—
	22	200	200	204	202	201	205	210	215	223	224	219	214	—
	23	202	200	203	206	207	206	208	212	227	237	240	238	—
	24	196	191	191	195	196	200	209	210	220	215	180	173	—
	25	202	189	205	200	200	197	204	211	223	226	224	212	—
	26	199	199	197	207	198	198	209	214	226	224	225	214	—
	27	198	194	197	202	204	205	208	223	234	238	240	235	—
	28	195	195	195	198	197	202	208	215	226	228	226	224	—
	29	200	202	203	204	201	206	212	222	235	245	248	242	—
	30	193	202	198	190	189	196	205	201	196	214	205	198	—
Hourly Means.		194.4	194.5	197.3	199.1	199.0	200.2	205.7	210.8	220.1	224.1	220.6	214.7	—
Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
NOVEMBER.	1	224	218	209	201	197	197	198	200	203	204	206	209	206.9
	2	263	256	252	226	213	195	181	179	209	200	181	178	221.9
	3	195	190	185	172	143	154	181	171	185	190	180	179	182.4
	4	171	164	174	152	176	167	190	153	181	165	157	170	174.6
	5	168	171	174	173	157	171	165	182	162	177	185	192	178.8
	6	189	188	188	182	186	181	184	189	164	190	195	174	190.5
	7	186	188	181	175	176	179	191	177	173	202	190	185	187.6
	8	204	200	192	189	189	182	171	173	185	189	181	186	194.9
	9	208	200	189	181	189	188	205	196	190	194	196	208	202.1
	10	216	204	190	188	188	193	185	184	199	191	190	191	203.8
	11	222	215	209	204	202	201	202	190	181	177	182	195	206.1
	12	199	187	171	166	173	168	162	158	152	163	172	182	189.0
	13	208	200	185	174	170	164	160	159	175	193	175	174	188.7
	14	214	209	204	198	196	199	200	196	195	199	201	200	205.3
	15	233	221	212	207	201	181	168	185	195	197	196	198	211.7
	16	204	198	193	195	205	205	201	206	214	206	206	214	205.9
	17	232	218	211	216	210	216	200	204	208	199	190	184	215.9
	18	204	200	195	193	200	200	200	199	195	196	200	200	197.4
	19	214	207	204	206	207	207	202	214	207	208	207	210	209.8
	20	235	223	167	183	197	197	176	171	169	180	190	191	206.1
	21	191	192	190	190	190	194	195	194	185	187	190	201	193.1
	22	214	210	209	209	209	204	203	204	202	201	202	202	207.8
	23	228	204	199	204	210	213	210	203	199	183	161	180	207.5
	24	177	185	180	176	180	176	181	158	158	180	182	189	187.4
	25	209	204	189	187	192	189	190	201	192	191	195	212	201.8
	26	198	208	198	196	199	198	196	195	194	194	197	198	203.4
	27	227	218	200	195	198	199	197	198	199	195	194	196	208.1
	28	219	212	202	194	195	200	200	200	200	196	200	204	205.5
	29	238	228	217	209	199	200	210	202	198	209	196	183	212.9
	30	192	193	194	193	199	176	140	145	181	180	166	179	188.5
Hourly Means.		209.4	203.7	195.4	191.1	191.5	189.8	188.1	186.2	188.3	191.2	188.8	192.1	199.8

VERTICAL FORCE. A.														
HOURLY OBSERVATIONS. — 0.19700 + THE NUMBERS IN THE TABLE.														
Mean Batavia Time.	1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—	
NOVEMBER.	1	243	245	247	247	246	245	248	245	235	232	223	216	—
	2	237	236	237	234	230	230	231	215	202	197	191	195	—
	3	249	244	239	235	229	240	243	244	235	234	231	239	—
	4	255	251	249	239	234	238	229	205	204	198	205	202	—
	5	222	214	220	221	225	229	237	228	221	216	203	196	—
	6	196	218	217	216	217	219	220	221	223	217	213	217	—
	7	233	222	223	207	217	221	230	238	229	223	212	206	—
	8	230	227	224	227	229	230	230	249	244	234	239	240	—
	9	250	249	247	252	250	254	255	248	244	239	233	235	—
	10	248	254	254	254	254	252	253	253	249	246	246	248	—
	11	259	255	256	257	255	257	260	254	252	244	236	233	—
	12	256	251	250	250	249	255	258	249	240	232	230	230	—
	13	256	264	260	253	253	259	253	244	228	223	226	232	—
	14	269	262	260	257	249	255	256	249	239	232	235	237	—
	15	265	262	262	262	260	255	258	265	253	245	239	237	—
	16	277	277	272	263	269	271	276	260	255	247	238	238	—
	17	262	261	258	255	257	257	252	239	227	225	234	241	—
	18	267	266	260	267	266	269	276	273	260	244	241	242	—
	19	268	267	265	267	270	269	275	270	260	245	246	243	—
	20	266	267	265	268	267	266	279	289	276	268	250	246	—
	21	281	277	276	276	280	281	292	296	293	284	281	271	—
	22	276	276	275	276	277	276	279	275	276	271	257	256	—
	23	273	275	273	272	271	272	278	287	282	271	255	239	—
	24	275	279	277	276	276	280	283	283	276	265	275	278	—
	25	271	276	271	274	276	281	281	279	272	266	258	260	—
	26	283	283	283	277	282	289	286	297	289	290	282	279	—
	27	295	297	294	293	292	297	303	298	281	261	244	239	—
	28	302	300	298	297	297	298	304	303	298	291	275	268	—
	29	297	295	294	294	295	293	293	293	288	282	275	275	—
	30	311	303	304	309	307	303	314	336	336	319	315	319	—
Hourly Means.	262.4	261.8	260.3	259.2	259.3	261.4	264.4	262.8	255.6	248.0	242.9	241.9	—	
Mean Batavia Time.	1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.	
NOVEMBER.	1	212	218	224	230	233	239	240	240	239	239	238	236	235.8
	2	194	202	211	232	239	244	250	250	233	232	249	248	225.8
	3	229	231	233	241	259	255	242	242	239	233	242	247	239.8
	4	209	213	210	222	227	228	218	241	233	233	240	227	225.4
	5	202	201	205	210	224	223	225	223	227	222	213	214	217.5
	6	213	208	210	218	216	219	220	225	234	229	217	228	218.0
	7	212	218	221	227	230	232	228	230	236	223	227	228	223.9
	8	243	244	249	249	256	265	270	270	260	256	260	256	245.0
	9	244	250	256	259	256	260	252	256	259	257	256	249	250.4
	10	246	250	264	265	268	265	269	268	260	262	262	261	256.3
	11	234	243	245	247	250	253	255	261	267	269	265	256	252.6
	12	232	236	250	258	261	266	272	276	281	271	267	259	253.3
	13	239	248	260	272	275	276	279	283	274	267	271	273	257.0
	14	245	252	257	260	262	264	264	267	269	269	267	267	256.0
	15	245	256	265	273	278	290	297	288	280	279	281	278	265.5
	16	243	252	257	256	251	252	258	258	255	260	261	262	258.7
	17	251	260	262	259	263	260	267	270	265	270	274	275	256.0
	18	244	242	245	252	258	264	266	269	270	271	270	271	260.5
	19	244	250	250	256	264	266	269	266	269	270	271	268	262.0
	20	243	246	281	281	275	277	287	293	292	285	277	277	271.7
	21	271	267	269	276	280	280	281	282	288	284	281	276	280.1
	22	262	267	272	273	276	278	277	277	277	276	276	274	273.1
	23	244	265	279	275	277	277	277	282	283	292	300	286	274.4
	24	274	272	275	276	279	285	282	295	272	283	282	276	278.1
	25	261	265	276	283	286	287	289	283	288	288	285	277	276.4
	26	287	283	293	295	299	298	299	300	299	299	297	297	290.3
	27	242	258	276	288	295	296	300	301	300	302	303	301	285.7
	28	274	276	288	298	303	299	298	298	299	301	299	296	294.2
	29	277	285	293	302	307	308	302	306	308	315	308	316	295.9
	30	319	314	311	310	313	330	351	343	329	325	338	335	320.6
Hourly Means.	244.5	249.1	256.2	261.4	265.3	267.9	269.5	271.4	269.5	268.7	269.2	267.1	260.0	

EASTERLY DECLINATION. A.

HOURLY OBSERVATIONS. — 1° 40' 0 + THE NUMBERS IN THE TABLE.

Mean Batavia Time.	1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—	
D E C E M B E R.	1	10.1	10.1	10.4	10.4	10.4	9.5	8.6	7.8	8.0	9.1	10.4	12.1	—
	2	10.4	10.7	10.3	10.3	10.2	10.1	9.5	8.3	8.7	8.9	10.1	10.4	—
	3	10.2	11.0	10.1	10.6	11.1	10.6	9.4	9.1	8.3	9.1	9.4	10.4	—
	4	10.9	10.9	10.9	11.0	10.2	9.2	8.8	9.3	9.8	10.7	11.4	12.7	—
	5	10.4	11.0	10.9	10.9	10.2	9.8	8.7	8.6	9.1	10.2	11.3	12.5	—
	6	10.3	10.7	11.1	11.0	10.7	9.4	8.9	8.6	9.2	9.4	11.3	12.0	—
	7	11.1	11.2	11.1	10.9	10.1	8.9	8.9	8.8	9.8	11.1	12.7	13.3	—
	8	10.4	10.6	10.1	8.8	8.8	8.8	8.4	9.9	10.2	11.3	12.4	12.3	—
	9	11.1	11.0	10.7	10.4	10.1	9.4	8.8	8.6	9.4	10.6	11.9	12.5	—
	10	11.1	11.1	11.0	11.0	10.4	9.6	8.3	8.7	9.6	10.5	11.0	11.4	—
	11	11.2	11.1	11.1	11.0	10.9	10.2	9.5	9.1	9.9	10.7	11.3	12.1	—
	12	10.9	11.0	10.2	10.1	10.1	9.6	8.8	7.8	7.6	9.2	9.9	11.1	—
	13	11.1	11.2	11.1	10.6	11.0	10.9	9.9	8.9	8.8	9.3	9.5	10.6	—
	14	11.1	11.1	11.1	11.2	10.9	9.9	8.4	7.6	7.4	8.6	10.3	11.8	—
	15	11.3	11.2	11.1	11.3	10.9	10.2	9.3	9.3	9.1	9.3	9.6	10.6	—
	16	11.0	10.7	10.9	11.1	10.9	11.1	9.9	9.4	8.4	9.1	9.1	9.8	—
	17	11.1	11.1	11.1	11.0	11.1	11.2	10.6	9.7	8.8	9.2	9.7	10.1	—
	18	10.5	10.7	10.2	10.1	10.2	9.8	9.5	9.9	9.9	9.8	9.2	9.8	—
	19	11.4	11.1	11.1	10.9	10.3	10.4	10.5	10.1	9.9	10.7	9.9	10.9	—
	20	10.9	10.9	10.9	10.4	10.5	10.5	9.7	9.8	10.2	10.7	10.2	11.0	—
	21	11.1	10.9	10.4	10.5	10.4	10.3	9.9	9.8	9.7	9.5	9.6	9.8	—
	22	10.7	10.6	10.2	10.1	10.2	9.8	9.1	9.3	9.3	9.7	10.2	11.0	—
	23	10.6	10.5	10.2	10.1	10.1	9.4	9.4	8.4	8.3	9.1	9.5	11.3	—
	24	11.0	10.7	10.9	10.7	11.2	10.7	9.8	9.2	9.2	9.8	9.9	10.5	—
	25	11.0	11.0	11.1	11.0	10.2	10.2	9.5	9.2	9.3	9.5	11.0	11.5	—
	26	11.0	11.1	10.9	10.7	10.3	9.2	8.3	8.6	8.4	8.7	10.1	11.1	—
	27	9.8	10.2	10.2	9.9	9.5	9.5	8.8	7.9	8.9	10.9	12.3	13.6	—
	28	9.9	10.4	10.5	10.9	10.3	9.7	8.9	8.7	9.3	9.8	11.1	11.3	—
	29	10.9	10.2	9.6	9.9	9.9	9.9	8.8	8.1	8.4	8.9	10.1	10.5	—
	30	10.4	10.1	10.1	9.9	9.5	9.3	8.3	8.8	9.2	9.6	10.1	10.9	—
	31	10.7	10.6	10.5	10.5	10.2	10.1	9.3	8.7	8.7	9.5	10.2	10.9	—
Hourly Means.	10.76	10.80	10.65	10.55	10.35	9.91	9.18	8.90	9.06	9.76	10.47	11.28	—	
Mean Batavia Time.	1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.	
D E C E M B E R.	1	13.9	13.5	13.7	13.0	13.0	12.1	11.7	11.4	11.0	11.1	10.1	10.9	10.93
	2	11.2	11.8	13.0	13.5	12.5	12.3	10.5	11.4	10.2	11.0	10.3	10.4	10.67
	3	12.0	12.2	13.3	12.9	12.3	12.0	10.9	11.2	11.0	10.7	10.6	11.0	10.81
	4	13.3	13.5	13.3	13.1	12.4	12.0	11.1	11.2	11.2	11.0	10.5	10.3	11.20
	5	13.2	13.5	13.7	13.6	13.3	12.2	12.1	11.8	11.2	11.2	11.1	10.9	11.31
	6	12.4	13.1	13.0	12.4	12.4	12.2	12.0	11.5	11.2	11.3	11.1	11.1	11.10
	7	13.8	13.8	13.5	13.1	12.4	12.2	11.5	11.7	11.3	11.0	11.1	11.2	11.44
	8	13.0	13.1	12.3	11.0	11.4	11.4	10.9	11.3	11.7	11.5	11.3	11.3	10.93
	9	13.1	13.1	12.9	12.7	12.4	12.1	11.7	11.3	11.1	11.2	11.0	11.2	11.18
	10	12.3	13.2	13.0	13.0	12.2	11.8	11.4	11.3	11.1	11.1	11.1	11.1	11.10
	11	12.5	12.9	13.2	12.4	12.3	12.3	12.0	11.7	11.5	11.2	11.1	11.0	11.34
	12	12.0	12.4	12.9	12.4	12.1	11.8	11.2	11.3	11.3	11.2	11.2	11.2	10.72
	13	11.9	13.1	13.3	12.9	12.5	12.2	11.5	11.5	11.3	11.2	11.1	10.7	11.09
	14	12.5	13.5	13.5	13.5	12.5	12.2	11.7	11.5	10.4	10.9	11.3	11.2	11.00
	15	12.2	12.8	12.8	12.8	12.2	12.0	11.1	10.9	10.3	11.0	11.0	11.0	10.97
	16	11.5	12.5	13.0	13.3	12.5	12.0	11.5	11.7	11.3	11.0	10.4	10.9	10.96
	17	11.2	11.8	12.2	12.5	12.2	11.7	11.4	11.5	11.1	10.1	11.0	11.1	10.94
	18	11.0	11.4	12.2	12.3	12.4	11.9	11.5	11.4	11.2	11.0	11.1	11.2	10.76
	19	11.5	11.7	12.0	12.2	11.9	11.5	11.4	11.0	10.9	11.1	11.0	10.7	11.00
	20	11.1	10.7	11.1	12.0	12.2	12.0	11.3	11.1	11.1	11.0	11.0	11.0	10.89
	21	10.3	10.7	11.2	11.5	11.7	11.3	11.2	11.1	11.1	11.2	11.0	11.1	10.64
	22	11.1	11.1	12.3	12.4	12.7	12.1	12.1	11.2	11.1	11.1	11.0	10.7	10.80
	23	11.4	12.5	12.2	13.2	12.8	12.2	11.5	11.3	11.2	11.0	10.4	10.9	10.73
	24	11.2	11.3	12.1	12.1	11.9	11.5	11.7	11.4	11.2	11.1	11.0	11.0	10.88
	25	11.2	11.4	11.3	11.3	11.4	11.4	11.2	11.1	11.1	10.9	10.9	11.0	10.78
	26	12.4	13.0	12.8	12.8	12.1	11.9	12.7	11.5	11.2	11.3	11.0	10.4	10.90
	27	11.1	11.3	11.1	11.5	11.9	11.3	11.3	11.9	11.7	11.2	11.1	10.7	11.35
	28	12.5	13.6	13.8	14.0	13.1	12.3	11.7	11.8	11.3	9.9	10.9	10.3	11.08
	29	11.1	12.2	12.4	12.7	12.5	11.8	11.1	12.0	11.2	11.3	10.1	10.5	10.59
	30	11.2	11.4	11.8	12.4	12.0	11.4	11.8	11.8	11.0	11.1	10.9	10.9	10.58
	31	11.2	12.0	12.1	12.0	11.9	11.1	11.2	11.1	11.0	11.0	10.9	10.7	10.67
Hourly Means.	12.04	12.49	12.71	12.66	12.36	11.94	11.48	11.42	11.11	11.03	10.89	10.89	10.95	

HORIZONTAL FORCE. A.

HOURLY OBSERVATIONS. - 0.36900 + THE NUMBERS IN THE TABLE.

Mean Batavia Time.		1 A.M.	2	3	4	5	6	7	8	9	10	11	12	—
D E C E M B E R.	1	157	195	209	190	184	190	195	204	215	215	197	195	—
	2	185	188	188	190	189	188	193	197	186	186	188	192	—
	3	177	186	191	183	184	187	196	200	204	206	200	196	—
	4	184	182	190	193	191	186	193	199	208	208	193	188	—
	5	182	165	178	172	180	174	183	185	190	190	188	185	—
	6	199	173	172	172	174	177	186	192	188	193	190	184	—
	7	175	179	181	185	183	190	188	198	201	205	208	199	—
	8	192	191	180	189	190	194	196	200	210	193	182	171	—
	9	179	180	182	184	189	192	198	204	209	211	213	210	—
	10	179	189	187	185	189	190	192	205	210	213	211	208	—
	11	190	193	195	195	197	200	204	205	211	213	212	204	—
	12	182	183	198	198	190	208	206	222	230	223	222	222	—
	13	198	194	201	201	201	195	209	218	226	231	237	235	—
	14	188	193	191	199	198	202	205	214	219	217	209	203	—
	15	204	219	209	203	200	205	214	215	219	220	226	224	—
	16	204	200	195	207	206	203	200	208	218	213	223	228	—
	17	193	198	199	198	200	200	201	200	211	214	212	212	—
	18	209	209	202	196	199	200	202	204	212	215	220	204	—
	19	197	209	208	207	206	208	211	197	203	205	218	209	—
	20	183	200	198	197	199	200	205	200	198	196	206	200	—
	21	202	200	200	202	214	209	219	219	228	226	229	228	—
	22	190	200	196	198	197	204	209	211	219	219	221	221	—
	23	200	195	189	204	214	201	218	216	209	214	210	200	—
	24	191	191	190	188	181	190	189	186	190	187	186	185	—
	25	187	188	190	190	194	196	200	200	204	210	212	208	—
	26	196	195	195	200	204	215	221	228	237	258	235	229	—
	27	213	190	190	195	183	195	199	215	224	230	238	234	—
	28	210	198	195	195	200	200	203	203	213	214	216	212	—
	29	197	190	195	208	205	202	213	217	221	227	200	216	—
	30	186	186	189	190	200	192	190	191	202	196	190	204	—
	31	187	186	195	195	195	196	201	208	217	220	220	216	—
Hourly Means.		190.9	191.8	192.8	193.8	194.7	196.4	201.4	205.2	210.7	211.9	210.1	207.2	—
Mean Batavia Time.		1 P.M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
D E C E M B E R.	1	179	169	175	174	166	175	170	179	194	181	197	176	186.7
	2	187	183	157	165	167	167	190	147	188	179	188	181	182.0
	3	190	183	171	177	181	180	188	171	174	178	176	179	185.8
	4	186	181	176	178	176	174	184	179	175	184	180	203	187.1
	5	185	183	182	175	175	175	172	170	180	176	180	186	179.6
	6	177	171	173	170	159	152	165	167	176	166	171	181	176.2
	7	194	184	185	181	182	176	171	175	181	185	180	175	185.9
	8	154	152	146	160	164	151	171	170	169	171	176	180	177.2
	9	204	196	190	186	181	180	182	185	176	184	181	181	190.7
	10	193	186	177	180	182	185	189	189	190	188	188	185	191.3
	11	196	190	193	201	206	208	206	200	203	191	186	178	199.0
	12	211	204	198	191	193	189	185	184	183	187	190	194	199.7
	13	219	211	206	207	202	200	203	201	204	186	171	177	205.5
	14	212	205	202	190	193	198	204	199	202	210	199	199	202.1
	15	207	204	195	190	200	185	189	200	202	196	188	198	204.7
	16	220	222	209	197	198	195	198	198	197	195	196	191	205.0
	17	204	199	190	188	196	199	201	199	195	218	189	191	200.3
	18	207	201	200	194	197	200	190	186	190	200	196	194	201.1
	19	211	203	195	189	190	192	194	196	188	185	186	188	199.8
	20	196	200	198	190	191	194	200	198	195	200	203	201	197.8
	21	223	211	202	208	210	203	200	200	202	194	209	182	209.2
	22	219	220	209	210	190	180	182	190	199	195	196	205	203.3
	23	191	187	190	180	177	189	195	187	177	178	191	193	196.0
	24	178	181	179	178	185	186	189	190	190	190	191	188	186.8
	25	201	199	195	193	190	187	192	190	194	196	189	189	195.6
	26	219	203	200	201	209	216	174	192	190	169	183	185	206.5
	27	230	210	185	182	168	172	187	184	181	207	180	200	199.7
	28	209	195	195	186	191	191	194	188	182	216	181	200	199.5
	29	214	191	190	182	171	168	181	162	187	166	167	170	193.3
	30	201	198	192	185	189	195	180	189	195	193	190	186	192.0
	31	210	202	190	190	190	195	194	194	195	196	194	195	199.2
Hourly Means.		200.9	194.3	188.5	186.4	186.1	185.7	187.7	185.7	189.1	188.8	186.9	188.1	194.8

VERTICAL FORCE. A.

HOURLY OBSERVATIONS. — 1900 + THE NUMBERS IN THE TABLE.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
D E C E M B E R.	1	284	259	247	263	266	268	266	253	237	230	240	234	—
	2	264	258	262	258	260	260	258	252	252	251	248	246	—
	3	269	265	262	266	262	263	262	259	258	258	258	255	—
	4	262	262	258	256	259	265	258	246	238	236	236	241	—
	5	267	274	269	269	264	267	263	257	262	257	258	259	—
	6	262	280	279	275	277	277	273	266	265	261	262	266	—
	7	274	273	273	270	274	276	268	261	253	248	248	252	—
	8	275	272	280	279	280	274	280	278	274	276	266	272	—
	9	270	272	270	271	270	272	272	273	266	258	254	252	—
	10	277	273	271	273	273	279	280	267	263	261	263	263	—
	11	273	270	269	269	269	273	272	269	266	257	258	257	—
	12	278	274	269	268	274	268	276	268	258	254	252	252	—
	13	264	266	263	263	264	272	267	263	257	253	251	244	—
	14	271	262	263	258	259	262	265	242	234	222	211	216	—
	15	243	233	240	243	246	245	244	258	255	248	246	245	—
	16	253	256	259	250	252	255	267	262	258	253	240	220	—
	17	258	252	248	251	249	249	259	262	257	259	251	242	—
	18	248	244	252	254	251	253	252	252	254	257	251	251	—
	19	249	241	242	243	244	245	249	267	267	261	254	261	—
	20	264	252	254	254	253	252	256	251	245	238	233	240	—
	21	248	251	252	251	246	246	246	251	251	248	240	235	—
	22	257	250	252	250	253	252	249	246	237	231	229	235	—
	23	256	261	264	258	252	263	258	273	273	263	253	262	—
	24	267	271	268	272	275	274	281	280	277	279	277	267	—
	25	272	268	268	268	268	267	273	266	255	237	248	255	—
	26	266	275	276	272	278	273	278	293	292	285	283	274	—
	27	278	278	278	278	276	275	270	273	264	259	259	267	—
	28	265	272	274	274	270	272	273	273	260	258	254	254	—
	29	274	278	275	263	268	269	273	265	260	256	264	263	—
	30	267	266	265	262	262	268	273	265	256	257	252	246	—
	31	270	267	264	262	262	262	266	256	251	254	258	256	—
Hourly Means.		265.3	263.7	263.4	262.7	263.1	264.4	265.4	262.8	257.9	253.7	251.5	251.0	—
Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
D E C E M B E R.	1	240	258	267	268	267	264	265	263	257	264	258	271	257.9
	2	246	244	259	258	262	269	261	280	263	267	263	267	258.7
	3	258	257	261	260	263	264	264	274	275	266	268	263	262.9
	4	246	252	260	260	264	266	267	266	268	264	268	260	256.6
	5	259	260	257	259	270	275	277	278	272	273	273	273	266.3
	6	269	272	267	268	278	285	279	280	272	280	277	269	272.5
	7	258	260	266	272	275	279	284	280	276	273	278	280	268.8
	8	282	291	298	290	279	284	272	272	272	271	271	270	277.4
	9	256	263	263	263	272	274	278	279	278	282	278	276	269.3
	10	271	269	277	275	278	279	277	276	275	277	277	276	272.9
	11	258	266	268	261	259	266	269	274	273	279	280	283	268.3
	12	258	260	265	268	268	270	273	273	273	270	268	267	266.8
	13	248	253	262	262	269	266	265	265	264	274	283	276	263.1
	14	217	223	230	236	240	242	241	245	246	241	246	247	242.5
	15	254	260	263	263	257	263	264	256	257	258	263	258	252.6
	16	215	217	230	244	251	253	252	253	253	252	258	258	248.4
	17	237	235	235	241	243	246	247	248	253	243	261	254	249.2
	18	248	247	246	242	245	246	252	253	251	246	248	251	249.8
	19	262	262	263	267	269	264	264	262	267	263	262	262	257.9
	20	246	245	241	243	245	249	250	249	251	249	248	248	248.2
	21	222	231	248	249	248	253	256	254	251	254	248	262	247.5
	22	236	232	242	246	262	277	270	265	259	260	259	252	250.0
	23	252	252	246	257	264	268	268	271	280	281	270	268	263.0
	24	267	263	264	268	267	268	268	269	270	273	270	272	271.1
	25	262	277	278	270	270	267	290	279	280	295	285	280	269.9
	26	278	277	283	282	279	284	284	284	281	279	284	284	280.2
	27	259	262	278	277	289	285	279	278	282	268	286	275	273.9
	28	262	269	273	268	269	272	272	274	280	262	284	273	269.0
	29	264	272	276	275	279	285	279	291	274	280	284	279	272.8
	30	251	255	259	260	262	264	273	267	262	266	268	273	262.5
	31	249	250	253	256	261	257	257	256	256	256	258	257	258.1
Hourly Means.		252.6	255.9	260.6	261.5	264.6	267.2	267.6	268.2	266.8	266.6	268.5	267.2	262.2

EASTERLY DECLINATION. D.

DEVIATIONS. — UNITY = 0.1.

Mean Batavia Time.		1 A. M.	2	3.	4	5	6	7	8	9	10	11	12	—
JANUARY.	1	2	1	1	1	— 3	— 3	— 1	— 1	— 5	— 3	4	3	—
	2	— 3	1	— 2	3	— 2	— 8	— 11	— 3	— 1	5	14	13	—
	3	2	— 3	0	0	— 2	— 7	— 9	— 7	— 6	7	11	7	—
	4	2	4	— 5	— 3	— 1	— 2	— 2	— 11	2	11	8	10	—
	5	3	0	— 3	2	1	— 7	— 8	— 9	— 3	4	16	22	—
	6	2	2	— 2	— 1	0	— 6	— 8	— 6	— 4	7	4	3	—
	7	1	0	1	1	1	3	2	2	— 7	— 12	— 9	12	—
	8	4	2	3	3	3	4	4	2	— 2	— 5	— 13	— 16	—
	9	4	6	5	— 1	— 1	4	6	5	— 6	— 18	— 13	— 9	—
	10	— 16	— 26	— 32	— 14	— 4	9	25	23	6	— 4	— 4	2	—
	11	— 1	— 1	— 4	— 5	— 7	3	1	0	— 5	2	— 2	3	—
	12	8	10	14	17	18	25	41	12	— 3	— 19	— 31	— 31	—
	13	— 4	— 5	— 6	— 6	— 4	— 5	2	6	1	0	11	12	—
	14	1	2	1	0	1	— 2	— 5	5	2	— 1	— 3	— 8	—
	15	4	1	1	0	— 2	1	5	8	8	3	— 3	— 19	—
	16	— 3	— 4	0	— 1	— 3	— 2	— 2	0	2	— 1	— 2	1	—
	17	— 4	— 4	— 4	— 4	— 2	1	3	6	11	5	— 1	— 4	—
	18	— 1	— 1	— 1	0	0	— 1	— 4	2	5	2	0	— 6	—
	19	— 2	— 4	— 2	— 3	— 2	2	1	0	1	1	3	3	—
	20	1	4	4	— 1	0	— 3	— 10	— 6	— 3	2	0	— 1	—
	21	4	5	3	1	10	9	3	— 9	— 16	— 11	— 3	— 1	—
	22	— 1	1	7	13	6	6	1	3	— 5	— 11	— 3	— 10	—
	23	1	6	9	12	9	8	— 2	— 10	— 11	— 10	— 8	— 4	—
	24	5	2	3	1	2	— 1	— 3	— 5	— 8	— 3	3	6	—
	25	— 1	3	4	4	— 1	5	— 5	0	— 2	— 3	— 6	— 9	—
	26	1	1	— 3	— 2	— 1	— 3	— 4	— 6	— 1	— 3	1	2	—
	27	— 1	— 2	— 1	— 3	— 5	0	4	5	9	— 1	— 4	— 6	—
	28	— 3	— 4	— 2	0	— 2	2	3	4	2	0	4	— 9	—
	29	— 2	— 6	— 6	— 8	— 10	— 3	6	— 2	11	7	8	3	—
	30	— 6	— 7	— 6	— 6	— 6	— 12	— 9	16	13	22	11	9	—
	31	— 5	— 5	— 5	— 8	— 8	— 4	8	6	12	7	10	11	—
Hourly Amount.		98	123	140	124	117	151	198	180	173	190	223	255	—
Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily Amount.
JANUARY.	1	2	3	4	— 5	— 4	— 3	— 1	2	3	1	1	0	57
	2	4	1	5	— 4	— 7	— 4	— 5	— 4	— 5	— 5	— 2	1	113
	3	1	— 2	— 8	— 1	5	— 3	— 5	— 2	1	0	— 7	1	97
	4	6	0	— 16	— 13	— 5	1	6	1	0	2	4	4	119
	5	12	2	— 5	— 8	— 11	— 4	— 8	— 4	— 4	— 2	1	3	142
	6	2	0	— 1	— 1	— 1	3	1	1	1	1	3	— 1	61
	7	22	17	7	— 1	— 11	— 7	— 4	— 4	— 5	— 3	— 2	2	136
	8	1	8	3	— 5	— 11	— 3	2	1	0	2	3	5	105
	9	— 10	— 3	— 4	13	42	10	12	8	4	— 2	— 5	— 8	199
	10	7	— 3	— 3	— 6	— 6	— 3	3	— 2	— 2	— 6	— 2	— 1	209
	11	4	3	3	0	— 4	— 5	— 4	— 3	— 4	— 1	2	4	71
	12	— 27	— 18	— 7	— 9	— 9	— 4	5	7	4	— 3	— 6	— 4	332
	13	8	4	1	— 6	— 8	— 4	3	— 2	— 2	1	0	1	102
	14	— 5	2	2	3	5	5	— 2	0	0	1	3	3	62
	15	— 23	— 16	— 5	5	6	5	7	8	8	5	— 2	— 1	146
	16	1	4	4	2	1	3	4	1	— 3	— 5	— 5	— 5	59
	17	1	5	7	4	— 1	0	2	0	— 1	— 1	— 1	— 1	73
	18	— 16	— 15	— 9	6	9	6	4	5	3	2	4	0	102
	19	4	3	0	— 2	0	3	1	0	2	4	— 8	— 4	55
	20	2	— 2	2	— 1	3	— 3	— 2	2	3	3	3	0	61
	21	6	15	15	1	— 9	— 11	— 9	— 8	— 5	0	4	4	162
	22	0	7	7	8	4	— 1	— 2	— 3	— 1	— 9	— 6	— 4	129
	23	— 2	— 3	— 3	— 6	— 4	— 4	— 1	— 1	2	2	4	3	125
	24	3	— 3	0	— 4	— 2	2	2	1	0	— 1	— 1	1	62
	25	— 4	2	9	6	5	3	— 3	1	0	0	1	0	77
	26	— 3	1	4	11	6	4	— 3	— 5	— 7	— 6	— 3	— 2	83
	27	— 6	— 2	8	9	5	— 4	— 2	0	1	3	1	1	83
	28	— 8	— 7	0	9	12	8	1	1	— 1	0	0	— 4	86
	29	3	2	— 7	0	11	4	6	— 4	— 1	0	1	— 6	117
	30	1	— 8	— 14	— 5	3	5	— 3	4	8	2	2	— 1	179
	31	5	— 4	— 5	— 10	— 7	— 2	5	4	6	5	8	7	157
Hourly Amount.		199	165	168	164	217	127	118	89	87	78	95	82	3561

HORIZONTAL FORCE. D.
DEVIATIONS. — UNITY = 0.00001 C. G. S.

Mean Batavia Time.	1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
1	0	— 4	— 6	— 8	—14	—14	—11	— 4	— 5	8	7	9	—
2	— 2	— 3	— 1	0	— 5	—14	0	—19	—20	— 7	— 6	3	—
3	— 6	— 1	— 1	5	4	11	12	15	4	— 6	— 7	— 9	—
4	5	12	4	— 5	— 2	1	2	11	14	0	8	4	—
5	9	5	— 4	4	2	0	4	2	7	9	4	3	—
6	— 4	2	4	— 5	— 3	1	— 2	— 8	— 3	— 1	4	3	—
7	1	— 1	— 5	— 5	— 7	— 5	— 8	2	5	6	10	6	—
8	— 5	— 6	— 3	— 5	— 3	— 7	—11	— 6	— 4	— 3	1	4	—
9	7	3	21	21	28	22	13	10	— 2	— 9	—34	—22	—
10	—29	14	—32	17	— 8	—25	—12	0	15	— 7	—13	—22	—
11	7	4	— 3	— 7	— 8	— 7	—12	—10	— 5	4	6	10	—
12	— 5	— 3	0	— 1	— 2	— 3	— 2	3	— 1	3	7	3	—
13	— 3	— 3	— 4	— 5	— 5	— 5	— 5	— 4	— 2	1	2	4	—
14	— 2	— 4	— 4	— 6	5	4	0	— 5	2	4	3	5	—
15	— 7	— 1	3	— 1	— 2	— 5	— 3	1	— 1	4	— 8	—11	—
16	—14	—10	—10	— 6	— 4	0	7	7	— 2	3	2	1	—
17	— 4	— 3	— 3	— 1	— 4	— 5	— 6	— 4	— 1	4	5	3	—
18	2	1	0	1	3	2	5	— 1	1	1	2	7	—
19	7	3	7	7	3	— 1	— 5	— 8	— 1	— 5	— 7	— 5	—
20	2	2	9	4	9	5	1	5	4	— 8	— 1	5	—
21	— 3	— 3	— 4	— 1	— 5	1	— 3	— 1	7	8	3	4	—
22	4	1	— 5	2	0	—11	—11	—18	—11	— 2	4	10	—
23	—18	—10	— 2	2	— 5	0	3	4	3	— 1	— 2	— 6	—
24	3	— 1	— 2	0	— 1	— 3	— 3	— 1	2	— 4	— 1	5	—
25	5	—10	— 6	— 3	— 6	— 8	— 6	2	7	0	— 1	0	—
26	5	2	3	0	0	2	3	0	1	6	6	0	—
27	3	3	2	— 1	— 1	2	1	— 2	— 1	1	0	3	—
28	— 3	0	2	1	4	6	5	9	4	— 3	— 4	— 6	—
29	10	10	11	13	22	26	14	24	— 1	—14	—16	—22	—
30	14	24	14	16	12	18	30	13	9	— 1	—15	—29	—
3	10	7	10	12	15	11	— 5	— 6	—17	— 3	— 4	— 2	—

Mean Batavia Time.	1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily Amount	
J A N U A R Y.	1	1	4	1	— 5	1	1	4	8	10	11	6	2	144
	2	— 1	15	36	21	0	2	— 4	—10	1	8	—10	— 9	197
	3	—13	—18	—17	—10	— 5	3	6	7	3	— 9	16	3	191
	4	— 5	—16	—18	—11	— 5	— 6	— 6	1	7	—14	— 6	4	167
	5	0	— 1	— 5	— 3	0	5	7	— 1	0	6	1	—10	92
	6	0	3	— 5	—15	— 6	— 2	1	4	— 1	2	— 4	1	84
	7	7	5	10	4	1	0	5	7	7	8	0	— 4	119
	8	1	— 5	—11	— 7	1	4	— 1	7	8	8	8	12	131
	9	6	21	42	75	—108	—39	—43	9	— 1	28	26	39	629
	10	—32	—34	—25	—12	6	6	6	10	8	14	8	11	366
	11	6	20	10	9	5	2	— 2	1	— 4	5	6	— 1	154
	12	1	— 4	— 5	— 5	— 1	2	0	4	1	1	— 4	1	62
	13	12	8	— 1	— 2	— 3	— 2	— 1	3	3	4	0	0	82
	14	4	1	— 2	0	6	11	2	— 3	0	11	6	— 3	93
	15	1	17	10	12	15	4	3	—18	—14	—25	— 7	— 3	176
	16	4	1	6	14	3	7	— 7	0	— 1	0	3	7	119
	17	4	1	3	4	3	0	— 4	2	3	3	1	2	73
	18	6	— 7	—13	—15	— 8	— 1	4	4	8	10	6	7	115
	19	— 3	12	18	17	13	— 3	—16	—23	—23	—28	4	—16	235
	20	1	— 2	— 4	—11	— 5	1	1	4	2	— 4	— 3	0	93
	21	— 1	— 2	1	5	7	4	0	— 4	1	— 4	0	1	73
	22	12	13	14	9	15	11	16	19	5	— 4	—29	—28	254
	23	— 2	— 1	0	— 4	— 5	3	5	7	7	2	— 1	5	98
	24	8	9	7	1	2	8	9	3	— 4	— 2	— 8	— 4	91
	25	2	2	— 6	— 4	— 3	— 5	— 2	4	5	8	4	3	102
	26	— 4	— 4	0	— 3	0	— 4	— 2	—10	—10	0	2	2	69
	27	6	6	— 4	3	4	— 1	— 1	— 3	—10	—12	—13	— 9	92
	28	— 3	— 5	— 5	— 5	— 5	— 4	1	6	7	7	8	16	119
	29	—22	—40	—22	0	—29	—33	—21	4	— 4	4	13	16	391
	30	—14	—15	— 9	— 4	—15	— 6	— 5	—22	—10	— 7	— 2	4	308
	31	0	3	10	7	7	— 2	— 1	— 1	— 1	3	1	0	138
Hourly Amount.	182	295	320	297	287	182	186	209	169	252	206	223	5057	

VERTICAL FORCE. D.
DEVIATIONS. — UNITY = 0.00001 C. G. S.

Mean Batavia Time.	1 A.M.	2	3	4	5	6	7	8	9	10	11	12	—	
JANUARY.	1	0	5	3	3	6	2	1	2	2	— 2	— 2	— 2	—
	2	1	4	3	4	8	20	6	9	— 2	— 9	7	6	—
	3	4	0	— 1	— 1	3	2	1	— 3	— 5	1	0	4	—
	4	2	— 6	0	2	— 2	— 4	— 9	— 27	— 30	— 8	— 4	13	—
	5	— 10	— 5	3	1	1	8	3	1	— 6	— 13	— 16	— 11	—
	6	5	1	— 1	3	3	2	— 2	— 6	— 18	— 9	— 5	— 6	—
	7	— 2	0	0	— 4	— 4	— 6	— 12	5	9	9	— 6	— 21	—
	8	4	1	— 2	— 1	— 1	2	1	— 2	— 9	— 2	2	— 8	—
	9	— 5	— 2	— 20	— 14	— 19	— 24	— 21	— 13	— 9	14	26	19	—
	10	29	— 5	40	— 11	— 9	— 3	— 12	— 2	11	24	17	6	—
	11	— 2	3	6	7	5	1	14	9	17	11	— 5	— 9	—
	12	3	— 1	— 6	— 6	— 8	— 11	— 8	— 12	— 4	— 2	— 5	— 4	—
	13	2	— 2	— 3	— 3	— 4	— 8	— 5	— 5	— 2	— 9	0	6	—
	14	— 4	— 4	— 3	— 3	— 6	— 9	— 1	17	6	— 3	— 5	1	—
	15	4	— 3	— 5	— 3	— 4	— 8	— 2	— 2	4	2	13	19	—
	16	6	4	4	0	0	0	— 5	— 10	— 13	— 8	— 1	0	—
	17	10	10	10	8	8	7	11	— 16	— 18	— 4	1	1	—
	18	— 3	— 3	1	1	3	5	6	0	— 2	— 5	— 1	4	—
	19	0	0	— 3	— 5	— 5	— 6	— 4	— 7	— 12	— 10	— 4	— 2	—
	20	— 11	— 9	— 8	8	4	13	5	— 7	— 1	3	— 1	— 10	—
	21	2	— 3	— 1	— 4	— 1	— 2	1	11	5	5	1	— 6	—
	22	— 3	3	7	3	7	13	19	28	29	15	3	5	—
	23	15	2	— 5	— 6	— 4	— 3	— 3	12	10	7	— 7	— 9	—
	24	1	6	8	7	8	9	12	5	11	13	3	— 7	—
	25	— 3	9	6	4	5	1	— 4	0	8	12	11	— 3	—
	26	2	4	4	5	5	5	5	10	3	— 4	— 4	— 10	—
	27	— 1	— 1	— 2	— 2	— 2	— 8	0	— 3	1	— 2	4	5	—
	28	— 5	— 7	— 7	— 5	— 6	— 7	— 5	4	5	13	15	11	—
	29	— 3	— 2	— 1	— 4	— 11	— 16	— 8	— 3	5	12	11	28	—
	30	— 8	— 7	— 8	— 7	— 6	— 3	— 19	— 18	— 11	0	7	21	—
	31	— 4	— 2	— 1	— 1	— 3	0	4	9	10	— 8	— 7	— 11	—
Hourly Amount.	154	114	172	136	161	208	209	258	278	239	194	268	—	

Mean Batavia Time.	1 P.M.	2	3	4	5	6	7	8	9	10	11	12	Daily Amount.	
JANUARY.	1	— 1	— 1	7	12	10	4	— 4	— 7	— 9	— 8	— 6	— 3	102
	2	6	—17	—30	—12	1	— 2	7	10	0	4	6	1	175
	3	7	7	— 1	—18	—16	—11	— 5	— 1	5	14	— 4	3	117
	4	29	41	35	18	— 3	— 3	1	— 4	— 8	7	— 3	— 4	263
	5	— 3	5	17	14	1	— 7	— 4	— 1	— 1	— 6	— 2	5	144
	6	3	11	10	8	0	— 6	— 4	— 6	— 3	— 2	— 2	— 4	120
	7	—23	— 5	12	29	24	12	1	— 4	— 3	— 1	1	1	194
	8	—13	0	14	17	2	— 5	— 2	— 6	— 7	— 6	— 7	— 7	121
	9	—12	—11	— 3	—50	118	63	41	—16	— 6	—18	—21	—33	578
	10	— 2	— 3	0	—12	—18	—15	—12	— 6	— 4	— 4	2	0	247
	11	—11	—13	— 9	3	1	— 1	— 2	— 3	— 2	— 5	— 4	1	144
	12	10	22	30	24	14	5	— 3	— 7	— 6	— 5	— 3	— 7	206
	13	— 7	0	11	14	9	2	0	— 3	— 5	— 5	— 5	— 3	113
	14	— 3	0	0	— 3	— 7	— 5	2	12	7	— 5	— 4	5	115
	15	10	—12	—13	—15	— 4	2	4	18	13	20	5	4	189
	16	5	3	2	—13	— 9	— 2	7	5	3	5	— 1	0	106
	17	— 4	— 3	2	3	5	0	— 1	— 8	— 9	— 8	— 7	— 5	159
	18	9	10	— 1	—12	—12	— 4	— 3	0	— 2	— 1	0	0	88
	19	6	16	16	12	9	13	22	20	19	—20	0	— 8	219
	20	— 4	— 8	— 8	— 4	— 8	— 7	— 2	— 4	1	3	3	0	132
	21	—11	— 2	— 3	3	5	— 2	— 4	— 1	— 7	— 3	— 7	— 3	93
	22	— 7	—34	—30	—32	—29	—15	—11	—12	— 1	16	28	23	373
	23	—10	— 7	1	1	3	— 3	— 5	— 5	— 4	3	7	1	133
	24	— 9	— 9	—17	—14	—12	—18	—12	— 7	2	1	7	4	202
	25	—16	—18	— 9	3	4	8	3	— 6	— 6	— 4	0	7	150
	26	4	0	—18	—16	—10	— 1	— 2	8	10	3	— 4	— 1	138
	27	12	8	0	— 1	3	4	2	2	2	2	1	0	68
	28	— 1	— 3	—11	—13	—10	1	— 2	— 6	— 4	— 2	— 2	— 4	149
	29	11	4	— 7	—11	16	26	13	— 2	1	— 3	— 7	— 8	213
	30	22	19	10	— 2	1	— 1	— 4	15	3	4	2	— 3	201
	31	— 4	— 7	— 6	5	6	8	— 1	— 4	— 5	— 8	— 8	— 7	129
Hourly Amount.	275	299	333	394	370	256	186	209	158	196	159	155	5381	

EASTERLY DECLINATION. D.
DEVIATIONS. - UNITY = 0.1.

Mean Batavia Time.	1 A.M.	2	3	4	5	6	7	8	9	10	11	12	—
FEBRUARY.	1	— 8	— 6	— 4	— 5	— 5	— 3	— 5	6	6	1	— 6	—
	2	— 2	— 1	2	— 1	— 7	— 5	1	0	— 1	2	— 8	—
	3	5	2	1	— 2	— 8	— 8	— 10	1	4	— 1	— 7	—
	4	5	5	3	1	— 2	— 8	— 10	— 3	2	8	7	—
	5	0	1	— 8	0	0	1	— 3	— 2	— 1	4	— 2	—
	6	5	— 1	0	0	1	— 4	— 1	4	2	— 3	4	—
	7	1	1	— 2	— 3	— 2	— 2	— 4	3	1	4	9	—
	8	6	8	4	2	1	0	— 2	— 7	— 8	— 4	— 6	—
	9	1	4	1	1	0	— 4	— 5	— 4	1	2	— 1	—
	10	6	8	7	4	2	3	8	9	— 2	— 16	— 25	—
	11	3	0	1	3	3	5	3	— 8	— 14	— 6	10	—
	12	4	2	4	— 1	1	— 3	— 9	— 6	— 3	0	1	—
	13	2	3	5	4	2	— 1	— 4	— 4	— 2	— 6	6	—
	14	— 1	0	0	— 1	— 2	1	3	4	— 2	— 2	— 2	—
	15	— 1	0	0	0	— 3	— 2	4	8	6	— 7	— 1	—
	16	3	3	3	4	0	— 5	— 5	— 6	— 6	— 8	— 7	—
	17	1	2	— 1	2	10	1	9	5	1	— 6	— 9	—
	18	6	6	1	0	1	— 2	— 7	— 13	— 6	5	5	—
	19	4	1	2	0	— 6	— 3	— 2	— 13	3	23	6	—
	20	8	8	9	8	10	12	— 2	— 10	— 12	— 3	— 8	—
	21	— 20	— 16	— 12	— 7	2	6	16	27	4	— 4	— 3	—
	22	— 27	— 17	— 13	— 5	0	7	12	7	7	— 1	2	—
	23	5	2	— 3	— 1	4	5	— 1	— 7	7	2	3	—
	24	— 2	— 2	0	0	0	4	5	0	— 3	4	6	—
	25	0	— 4	2	1	1	1	— 2	2	3	— 5	— 6	—
	26	1	2	3	3	3	4	6	0	— 6	— 4	— 8	—
	27	— 4	— 8	— 6	— 7	— 7	— 2	3	9	16	24	18	—
	28	— 1	— 1	0	— 2	0	— 2	3	— 2	1	6	9	—

Hourly Amount.	132	114	97	68	83	99	145	169	132	165	172	185	—
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Mean Batavia Time.	1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily Amount	
F E B R U A R Y.	1	—16	—16	— 9	0	6	7	4	5	5	4	3	— 1	137
	2	2	— 1	— 4	— 7	— 4	0	1	1	5	2	1	— 1	60
	3	— 4	0	1	— 2	1	4	2	3	2	4	3	3	85
	4	6	6	6	0	— 6	— 6	— 2	— 5	— 1	1	3	3	111
	5	0	4	5	9	— 5	— 4	— 2	— 6	— 5	— 7	— 4	2	81
	6	9	7	6	— 1	— 1	— 5	— 3	— 3	— 2	— 1	— 1	— 5	69
	7	4	— 1	1	2	— 1	2	1	— 2	0	— 1	2	0	50
	8	— 7	— 7	— 2	2	5	— 1	— 4	4	3	2	— 2	— 1	93
	9	0	2	8	2	— 3	— 3	— 1	— 1	1	2	2	2	53
	10	—17	— 5	12	22	13	6	4	5	— 5	2	1	— 1	210
	11	0	— 3	— 5	— 4	2	4	4	6	— 4	0	— 3	2	107
	12	2	7	11	7	— 4	— 5	— 1	— 2	0	0	0	— 1	75
	13	11	0	— 4	— 3	— 1	0	— 1	— 3	— 5	— 3	— 3	— 2	78
	14	5	5	6	5	0	— 2	— 1	— 3	— 2	— 3	— 4	— 3	61
	15	6	10	4	— 1	2	— 2	— 2	— 1	3	3	2	— 1	70
	16	— 6	— 5	— 1	4	4	— 2	— 2	0	2	5	6	— 2	89
	17	—12	— 6	— 5	— 4	— 1	4	5	6	7	8	6	1	118
	18	— 1	— 3	— 3	— 4	— 1	— 3	— 1	0	1	4	4	5	83
	19	2	— 1	3	0	— 5	— 6	— 6	— 6	— 3	—12	2	4	126
	20	— 6	0	2	3	8	4	7	5	3	0	5	6	153
	21	— 2	— 6	— 5	— 3	3	3	3	5	7	6	3	5	176
	22	0	— 4	11	—12	— 3	2	— 2	2	2	1	— 7	— 2	150
	23	3	2	— 3	— 2	2	0	— 2	— 1	— 3	— 2	— 2	— 2	66
	24	5	1	— 2	— 2	0	1	1	— 1	— 1	— 2	— 1	0	44
	25	— 2	4	3	3	4	4	1	0	0	— 3	— 2	— 2	58
	26	— 6	— 2	— 1	2	0	3	3	4	2	— 4	— 3	— 5	82
	27	14	7	— 8	—17	—13	— 5	— 2	— 3	— 7	— 6	— 5	— 3	218
	28	8	1	— 6	— 7	— 5	— 2	— 4	— 7	— 5	— 1	— 2	— 1	77

Hourly Amount.	156	116	137	130	103	90	72	90	90	89	80	66	2780
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HORIZONTAL FORCE. D.
DEVIATIONS. — UNITY = 0.00001 C. G. S.

Mean Batavia Time.	1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—	
FEBRUARY.	1	— 5	— 5	— 4	— 3	4	2	1	— 7	0	— 2	0	— 1	—
	2	— 2	— 3	— 5	1	10	2	5	— 2	0	— 1	2	— 6	—
	3	— 5	— 10	— 7	0	— 1	— 4	— 2	— 2	1	— 3	2	6	—
	4	— 6	— 2	5	4	5	8	10	10	6	5	— 1	— 4	—
	5	8	5	— 4	— 11	— 6	— 2	— 2	— 2	— 4	— 4	— 6	3	—
	6	1	— 3	3	— 4	0	— 3	— 4	— 3	1	6	4	0	—
	7	1	— 3	— 9	0	— 6	— 5	— 3	— 1	— 2	2	6	1	—
	8	5	4	6	3	2	2	3	4	4	0	0	— 7	—
	9	2	— 4	— 3	— 2	— 2	— 1	0	1	3	— 1	1	2	—
	10	1	— 2	0	3	3	10	4	2	— 2	3	— 3	8	—
	11	19	14	7	9	13	16	14	13	14	— 7	— 6	— 25	—
	12	— 3	— 2	17	2	— 7	— 4	— 5	2	0	— 1	5	— 2	—
	13	1	0	0	— 3	— 6	— 9	— 13	— 16	— 13	— 3	7	4	—
	14	1	— 1	— 3	— 4	— 7	— 8	— 11	— 10	— 3	0	1	4	—
	15	2	— 2	— 6	— 1	0	— 2	— 5	— 7	— 9	— 7	2	11	—
	16	— 5	— 1	2	10	10	9	10	— 1	— 1	— 2	4	6	—
	17	— 1	— 6	— 4	— 1	1	9	7	— 3	1	— 3	— 4	— 4	—
	18	— 5	13	9	6	6	5	8	7	3	— 3	— 3	— 6	—
	19	— 2	— 12	1	3	3	4	— 4	8	4	0	— 13	— 7	—
	20	4	0	25	— 2	0	— 2	0	— 1	— 4	1	— 5	— 2	—
	21	1	1	0	12	— 5	— 6	— 1	9	10	10	6	3	—
	22	— 8	— 4	— 17	— 7	0	1	3	11	8	1	— 9	— 9	—
	23	— 9	17	2	— 5	— 2	— 7	— 5	6	— 1	8	— 3	— 2	—
	24	— 3	— 5	— 4	— 2	— 3	— 3	— 5	— 1	2	3	5	9	—
	25	2	12	— 8	— 6	— 9	— 7	7	— 10	— 6	— 2	8	1	—
	26	5	0	0	— 3	— 5	— 4	— 9	— 11	— 12	— 3	0	5	—
	27	— 1	— 1	— 1	— 1	4	4	4	6	5	3	— 2	6	—
	28	3	2	— 1	2	— 1	— 4	— 7	— 9	— 5	— 5	0	5	—

Hourly Amount.	111	134	153	110	121	143	152	165	124	89	108	149	—
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Mean Batavia Time.	1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily Amount.	
FEBRUARY.	1	0	4	9	8	1	— 4	4	— 7	0	1	2	— 5	79
	2	— 6	— 10	— 8	2	12	12	16	11	— 8	— 3	— 18	— 14	159
	3	6	5	7	11	7	2	1	— 3	— 4	— 6	— 7	— 13	115
	4	— 16	— 9	— 11	— 8	— 1	2	2	6	2	14	13	10	170
	5	5	14	— 2	— 16	— 9	— 8	— 6	— 2	— 6	15	2	0	142
	6	3	0	— 3	— 3	— 2	2	3	4	5	1	1	2	61
	7	— 4	6	3	— 7	— 6	— 7	— 1	3	1	3	2	4	86
	8	— 9	— 1	8	9	7	— 4	— 18	— 17	— 8	— 6	— 1	9	137
	9	4	4	4	4	5	3	0	3	5	6	10	2	72
	10	— 1	1	— 11	— 17	— 31	— 13	— 5	— 19	— 19	— 7	1	6	172
	11	— 14	— 2	1	7	— 3	3	6	6	10	— 22	— 15	— 9	255
	12	4	1	1	— 1	3	— 3	— 3	1	0	1	4	4	76
	13	11	15	12	12	8	1	— 1	5	5	2	1	— 2	150
	14	2	3	7	10	4	— 3	— 2	5	3	1	0	1	94
	15	9	5	9	10	10	2	— 2	0	— 12	— 17	— 9	— 6	145
	16	9	0	15	— 12	— 5	— 3	— 3	6	12	4	2	8	150
	17	— 14	— 32	— 22	— 16	— 4	— 1	7	9	9	6	— 10	0	174
	18	1	— 1	— 5	— 10	3	6	3	— 4	3	0	— 1	22	133
	19	— 4	— 3	— 1	— 2	4	9	0	— 16	— 7	18	2	2	129
	20	— 2	— 9	— 11	— 10	— 16	— 7	— 1	— 1	7	3	2	— 1	116
	21	2	— 1	— 1	4	— 4	1	10	14	3	— 1	2	— 8	115
	22	— 12	— 7	— 5	— 6	3	13	12	7	2	— 4	7	— 16	172
	23	1	— 10	— 6	— 7	— 4	0	6	3	1	3	4	2	114
	24	5	0	0	0	— 1	0	— 1	1	4	9	12	— 4	82
	25	5	1	— 2	— 6	— 12	— 6	1	5	5	4	5	4	134
	26	8	10	11	19	19	11	3	— 8	— 13	— 14	— 8	0	181
	27	— 1	— 4	0	11	7	— 10	— 19	— 14	— 6	— 2	4	3	119
	28	6	12	8	11	6	— 1	— 3	2	— 3	— 6	— 8	— 4	114

Hourly Amount.	164	180	183	239	197	137	139	182	173	179	153	161	3646
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VERTICAL FORCE. D.
DEVIATIONS. — UNITY = 0.00001 C. G. S.

Mean Batavia Time.	1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—	
FEBRUARY.	1	3	4	1	2	— 3	3	3	4	11	15	15	5	—
	2	2	5	5	1	— 2	1	— 1	3	7	7	7	— 4	—
	3	2	2	2	— 2	3	7	— 4	— 11	0	4	0	8	—
	4	11	4	— 2	0	1	5	— 8	— 24	— 22	— 18	— 7	4	—
	5	— 3	— 3	3	6	0	— 4	— 4	— 2	— 7	1	8	9	—
	6	— 3	3	0	7	1	9	9	9	12	8	— 5	— 20	—
	7	2	5	8	2	5	7	5	— 7	— 2	— 3	— 9	1	—
	8	— 4	— 3	— 1	2	3	2	2	1	9	8	9	14	—
	9	2	7	4	2	1	4	1	— 5	— 11	— 4	0	2	—
	10	— 5	— 6	— 9	— 9	— 12	— 16	— 14	19	23	20	18	— 5	—
	11	— 8	— 5	— 1	— 1	— 5	— 5	— 3	— 5	— 11	— 4	— 5	7	—
	12	— 1	— 2	— 11	— 5	4	0	— 5	— 2	0	4	— 8	— 9	—
	13	— 3	— 1	0	2	3	8	8	4	0	— 4	— 1	— 13	—
	14	— 1	— 2	— 1	0	2	— 1	2	— 2	— 3	— 1	— 3	— 1	—
	15	— 2	0	4	0	0	— 2	— 2	7	10	8	— 1	— 19	—
	16	— 4	— 8	— 7	— 10	— 10	— 7	— 3	— 8	— 9	— 7	— 6	— 1	—
	17	— 4	0	— 1	— 4	— 5	— 12	— 3	17	16	22	17	11	—
	18	5	— 4	1	3	4	7	7	0	— 3	— 4	— 4	7	—
	19	2	13	4	1	4	6	12	5	— 3	— 7	7	3	—
	20	— 5	— 1	— 16	5	6	6	14	18	11	2	1	— 5	—
	21	2	— 1	0	— 8	6	6	6	9	8	0	— 8	— 9	—
	22	12	3	10	— 1	— 9	— 10	— 7	— 10	— 5	3	13	14	—
	23	7	— 6	— 4	2	— 1	— 6	— 1	— 11	— 10	— 7	2	6	—
	24	1	4	4	2	2	— 1	1	— 5	— 8	— 12	— 12	— 12	—
	25	5	0	13	9	8	2	— 11	— 4	— 6	— 5	— 1	7	—
	26	— 3	— 2	— 2	— 1	— 2	— 4	2	16	20	6	— 6	— 6	—
	27	0	0	0	0	0	— 4	— 7	— 25	— 20	— 17	— 6	3	—
	28	— 7	— 8	— 4	— 5	— 2	— 2	2	1	— 6	— 14	— 15	— 9	—
Hourly Amount.	109	102	118	92	104	147	147	234	253	215	194	214	—	
Mean Batavia Time.	1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily Amount.	
FEBRUARY.	1	— 5	— 9	— 15	— 23	— 15	1	— 3	3	0	— 1	— 1	5	150
	2	— 6	3	— 1	— 6	— 17	— 11	— 8	— 4	9	8	18	13	149
	3	0	— 1	— 6	— 7	— 4	— 7	— 3	2	6	4	7	10	102
	4	9	10	14	4	— 3	1	— 1	— 3	— 6	— 7	— 7	— 2	173
	5	4	— 13	0	22	14	7	2	3	3	— 8	— 5	0	131
	6	— 23	— 10	— 2	0	5	1	— 3	— 5	— 4	0	2	— 1	142
	7	5	— 6	1	10	4	— 1	— 5	— 8	— 6	— 6	— 3	— 2	113
	8	12	— 7	— 26	— 23	— 11	11	17	12	4	0	0	— 5	186
	9	— 8	— 14	— 11	2	2	2	3	— 1	— 5	— 12	— 9	— 6	118
	10	— 3	— 7	0	10	21	11	2	10	9	5	— 3	— 3	240
	11	3	— 2	— 2	— 5	— 1	— 4	— 1	1	21	17	7	7	125
	12	— 10	— 9	5	14	15	10	5	0	1	— 1	— 3	— 2	126
	13	— 14	— 3	1	— 2	2	5	6	0	— 1	— 1	0	— 1	83
	14	0	6	7	8	13	6	— 3	— 8	— 8	— 6	— 6	— 5	95
	15	— 16	— 6	8	3	6	9	10	4	11	13	5	— 2	148
	16	0	0	— 6	13	12	9	7	— 2	— 8	— 6	— 4	— 7	154
	17	8	6	— 4	— 4	— 17	— 14	— 9	— 7	— 3	2	15	9	210
	18	2	— 5	— 6	— 9	— 12	— 6	— 2	6	0	— 1	— 1	— 13	112
	19	8	3	— 9	— 13	— 11	— 9	1	11	6	— 2	— 6	— 5	151
	20	— 3	— 6	— 5	— 10	— 5	— 6	— 6	— 6	— 6	— 2	0	0	145
	21	3	9	— 1	— 12	— 11	— 8	— 8	— 10	0	6	— 2	8	141
	22	20	18	12	6	— 10	— 20	— 10	— 4	— 5	0	2	9	213
	23	10	19	18	10	3	— 4	— 4	— 2	— 1	— 1	0	5	140
	24	1	6	6	4	4	0	— 2	— 2	— 2	— 5	— 4	6	106
	25	— 10	— 4	3	4	11	5	— 1	— 6	— 7	— 6	— 7	— 6	141
	26	— 3	— 2	— 5	— 8	— 7	— 3	3	9	12	12	8	— 1	143
	27	13	20	15	7	8	11	21	11	2	0	— 8	— 7	205
	28	— 1	4	6	3	0	4	2	0	0	1	1	— 2	99
Hourly Amount.	200	208	195	212	244	186	148	140	126	137	144	142	4041	

EASTERLY DECLINATION. D.
DEVIATIONS. — UNITY = 0.1.

Mean Batavia Time.	1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—	
MARCH.	1	9	9	6	7	— 1	0	1	— 1	— 2	— 6	— 6	— 5	—
	2	3	3	4	2	2	1	— 1	— 2	— 7	— 10	— 5	— 1	—
	3	4	2	4	2	2	— 6	— 13	— 6	— 1	0	— 3	— 1	—
	4	— 6	— 5	— 7	— 9	— 10	— 10	— 6	12	14	14	17	17	—
	5	— 1	0	0	1	0	— 4	— 7	— 2	1	4	4	— 1	—
	6	— 3	— 2	— 2	— 1	— 6	— 3	— 6	— 3	2	9	9	9	—
	7	1	0	0	— 8	— 8	— 6	— 20	8	5	4	— 3	— 9	—
	8	1	— 1	— 4	— 6	— 10	— 9	— 5	— 5	2	7	12	15	—
	9	0	0	— 2	— 1	— 5	— 5	— 10	— 3	1	5	9	12	—
	10	— 1	1	— 1	2	— 1	— 1	— 5	— 4	— 8	— 7	6	16	—
	11	2	4	5	6	2	5	4	3	— 6	— 12	— 23	— 19	—
	12	1	2	2	4	3	4	0	6	0	— 8	— 14	— 20	—
	13	— 2	— 3	— 5	— 3	— 5	— 4	0	3	5	1	1	1	—
	14	0	— 1	— 1	— 4	— 6	— 3	— 1	5	2	2	— 4	— 7	—
	15	— 5	— 4	— 1	— 2	— 3	— 4	— 4	— 2	3	8	4	4	—
	16	— 2	— 1	— 1	0	0	3	0	4	0	5	7	1	—
	17	— 3	— 10	— 3	— 5	— 2	7	12	11	9	2	— 3	— 4	—
	18	— 3	1	— 1	— 6	1	13	8	— 2	9	3	— 3	— 4	—
	19	— 1	— 5	— 10	0	11	9	6	5	0	— 1	2	— 2	—
	20	— 7	— 6	— 6	— 5	7	2	15	— 2	10	4	8	6	—
	21	3	4	5	0	2	2	— 2	— 6	— 7	— 4	— 2	— 3	—
	22	4	2	5	4	4	4	— 3	— 8	— 4	— 4	7	10	—
	23	4	6	7	14	10	15	19	— 3	— 16	— 18	— 14	— 8	—
	24	4	2	— 4	— 4	— 5	— 5	— 7	— 1	0	5	2	— 2	—
	25	6	5	5	5	4	0	1	— 5	— 10	— 12	— 7	— 5	—
	26	2	2	— 1	3	3	3	3	— 5	— 9	— 1	2	6	—
	27	— 4	— 2	— 1	1	12	— 1	7	0	4	3	2	3	—
	28	— 4	— 2	0	— 1	0	1	9	— 1	2	1	1	0	—
	29	— 1	— 1	2	2	0	— 5	2	— 3	— 2	— 1	— 4	— 4	—
	30	1	2	1	2	— 3	— 2	4	6	1	— 7	— 14	— 15	—
	31	— 21	— 23	— 9	4	5	10	27	36	11	— 6	8	9	—

Hourly Amount.	109	111	105	114	133	147	208	163	153	174	206	219	—
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Mean Batavia Time.	1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily Amount	
MARCH.	1	— 7	— 7	— 3	— 5	2	1	2	3	7	5	4	5	104
	2	0	— 3	— 3	0	— 1	— 3	2	2	5	6	5	4	75
	3	4	4	— 1	3	— 3	— 1	5	7	6	— 1	— 1	— 6	86
	4	24	13	— 3	— 6	— 6	— 13	— 7	— 8	— 7	— 6	— 5	— 2	227
	5	0	6	10	7	4	— 1	— 1	— 2	— 1	— 1	— 1	— 2	61
	6	1	3	0	4	2	2	— 2	3	5	— 2	5	0	84
	7	— 15	— 9	1	9	7	7	5	9	7	4	2	2	149
	8	10	6	— 2	— 3	— 7	— 7	— 2	— 3	— 2	— 1	— 3	1	124
	9	8	8	5	— 1	— 8	— 8	— 6	— 4	— 3	— 1	0	0	105
	10	11	7	1	— 8	— 8	— 5	3	2	— 4	— 1	1	3	107
	11	— 8	4	5	8	0	3	6	4	1	1	2	3	136
	12	— 23	— 6	4	7	7	5	4	6	5	3	2	1	137
	13	5	0	— 1	— 2	— 3	— 1	3	1	2	0	— 1	— 1	53
	14	— 6	0	3	6	13	6	2	2	0	0	— 2	— 4	80
	15	0	— 9	— 7	1	5	5	0	— 1	— 1	— 1	0	— 1	75
	16	— 1	— 2	— 4	0	1	8	3	3	— 4	— 11	— 5	— 7	73
	17	— 8	— 11	— 2	4	13	9	2	— 6	— 2	0	— 3	— 4	135
	18	— 8	— 14	— 5	— 2	6	4	1	1	— 4	0	0	— 1	100
	19	2	— 6	— 9	— 8	— 0	6	0	2	2	2	— 1	— 2	92
	20	2	0	— 1	— 6	— 7	— 8	— 2	— 2	0	1	0	3	110
	21	2	2	— 2	— 3	— 3	0	— 2	0	2	2	3	1	62
	22	1	5	— 2	— 4	— 3	— 5	— 10	— 4	— 2	— 1	1	4	101
	23	— 1	0	— 4	— 9	— 7	— 3	5	4	7	8	7	5	191
	24	1	11	7	1	— 7	— 6	— 6	— 7	— 9	2	5	4	107
	25	— 5	2	4	2	1	— 3	— 1	— 1	1	0	0	2	87
	26	6	3	— 2	0	— 2	— 4	— 5	— 5	— 4	— 3	— 3	— 1	78
	27	— 1	— 2	2	1	1	2	— 3	— 5	— 3	— 4	— 10	— 4	78
	28	— 2	— 5	1	4	5	4	0	— 1	0	0	— 1	— 3	48
	29	9	2	3	0	3	5	4	— 1	— 1	— 1	1	2	59
	30	— 8	— 3	4	— 8	3	26	19	— 6	— 9	4	4	— 11	163
	31	0	— 5	0	— 1	— 9	— 11	— 18	— 6	4	— 16	3	— 7	249

Hourly Amount.	179	158	101	123	147	172	131	111	110	88	81	96	3339
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HORIZONTAL FORCE. D.
DEVIATIONS. — UNITY = 0.00001 C. G. S.

Mean Batavia Time.	1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—	
MARCH.	1	— 5	— 5	— 3	— 3	4	5	10	11	5	5	1	— 1	—
	2	— 3	4	7	1	2	1	— 2	— 4	— 2	7	3	0	—
	3	0	0	— 1	— 5	— 5	8	9	8	7	— 3	— 16	— 12	—
	4	— 15	— 7	— 5	— 5	— 2	— 2	1	— 8	— 4	— 8	0	3	—
	5	— 1	— 3	— 5	— 10	— 12	— 12	— 9	— 10	— 3	1	— 2	4	—
	6	— 1	— 5	— 2	— 8	— 9	— 4	— 8	— 8	— 1	1	9	6	—
	7	1	— 2	— 3	— 3	— 9	— 1	0	4	6	— 1	— 4	— 10	—
	8	— 1	— 5	— 5	— 5	— 1	— 2	6	3	3	2	1	7	—
	9	— 1	— 5	— 3	— 5	— 5	— 7	1	4	6	4	3	— 5	—
	10	0	— 1	2	— 1	— 2	— 4	— 3	— 8	0	11	2	— 8	—
	11	4	2	4	0	0	— 5	— 10	— 11	— 9	— 8	7	8	—
	12	— 9	— 2	— 3	1	— 1	— 2	— 2	— 7	— 12	— 8	0	8	—
	13	— 3	— 3	— 5	— 10	— 5	— 7	— 9	— 6	— 1	1	0	4	—
	14	0	4	6	3	4	3	— 2	— 11	— 3	— 7	— 2	2	—
	15	0	1	2	— 5	— 2	5	10	7	12	3	6	— 1	—
	16	6	3	4	8	1	— 3	0	— 2	9	11	— 3	4	—
	17	— 2	— 4	2	0	0	10	10	— 7	— 8	— 8	— 4	— 4	—
	18	0	1	4	21	15	11	16	27	— 1	0	— 10	— 18	—
	19	8	5	— 1	— 9	— 10	— 7	— 11	— 11	— 2	1	— 2	6	—
	20	4	6	5	0	5	— 1	— 16	23	10	— 6	— 4	2	—
	21	9	11	7	12	3	3	5	0	7	5	9	13	—
	22	1	6	7	18	16	4	— 6	2	— 4	0	— 2	— 5	—
	23	12	9	8	7	14	— 4	— 3	— 6	— 13	— 11	— 15	— 17	—
	24	2	10	17	18	15	8	12	12	12	8	10	0	—
	25	8	5	1	— 6	— 5	— 1	6	1	3	18	— 1	5	—
	26	— 4	— 6	— 4	— 9	— 8	— 4	— 6	— 10	— 2	5	11	5	—
	27	— 2	— 4	— 3	— 4	— 3	9	6	0	— 13	— 13	— 7	4	—
	28	— 6	— 10	— 3	2	— 4	— 6	— 10	0	3	0	5	4	—
	29	— 2	3	— 12	— 1	— 1	4	3	7	— 4	— 14	— 3	— 4	—
	30	8	7	6	— 1	— 1	1	9	1	— 10	— 21	— 24	— 5	—
	31	— 21	— 21	8	— 25	— 37	— 30	— 2	— 26	— 31	— 17	— 20	— 26	—

Hourly Amount.	139	160	148	206	201	174	203	245	206	208	186	201	—
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Mean Batavia Time.	1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily Amount.
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MARCH.	1	— 7	— 4	— 3	— 2	1	0	2	5	1	— 3	3	— 3	92
	2	— 3	— 2	— 4	— 5	— 1	— 1	— 1	0	3	0	— 4	— 4	64
	3	— 7	14	21	18	25	23	10	— 32	— 26	— 7	7	— 11	275
	4	8	3	6	5	0	5	0	4	6	2	— 3	— 4	106
	5	2	8	11	3	2	4	1	8	7	10	4	— 3	135
	6	3	5	6	3	9	9	— 2	— 3	0	8	— 4	— 1	115
	7	— 2	9	9	— 2	— 6	— 15	2	— 3	— 13	9	— 12	11	137
	8	8	— 1	— 5	— 5	2	5	3	4	4	2	4	6	90
	9	— 7	2	4	— 5	— 11	0	9	4	4	11	5	3	114
	10	— 7	2	6	5	— 2	— 7	— 12	— 22	9	3	1	4	122
	11	15	11	15	6	3	4	— 3	— 3	4	2	— 3	— 6	143
	12	19	14	1	— 1	11	7	5	2	5	2	1	— 1	124
	13	4	4	— 6	— 4	1	5	0	3	— 4	— 4	— 1	1	91
	14	11	6	1	1	3	5	4	2	— 5	— 10	— 10	— 7	112
	15	— 4	— 9	— 7	— 10	— 7	— 3	— 3	5	4	3	2	2	113
	16	5	— 2	1	— 1	13	— 6	— 12	— 23	— 12	10	— 6	7	152
	17	3	1	— 8	— 9	— 16	2	3	9	— 2	— 6	0	5	123
	18	— 15	— 21	— 16	— 17	— 4	— 4	8	1	30	11	12	10	273
	19	— 2	— 16	— 3	— 3	— 1	— 10	2	5	0	0	0	— 1	116
	20	— 23	— 16	— 3	— 37	— 12	— 20	— 4	16	6	12	9	6	246
	21	1	— 9	— 17	— 6	0	0	— 3	— 5	— 4	2	2	4	136
	22	— 2	— 9	— 15	— 16	— 18	— 21	— 9	6	15	13	12	11	218
	23	— 7	5	8	17	26	13	— 12	— 9	— 42	— 81	— 23	— 14	376
	24	— 27	— 11	— 3	— 3	— 6	3	11	— 2	9	5	— 3	— 7	214
	25	3	— 7	— 5	— 6	— 2	— 4	— 7	1	— 2	9	6	— 1	113
	26	6	4	3	— 1	3	5	5	8	9	5	4	8	135
	27	9	11	2	— 2	— 6	— 6	— 5	2	2	— 3	9	— 1	126
	28	— 5	— 3	— 4	— 6	6	15	11	8	— 7	— 1	0	— 1	120
	29	22	8	— 5	— 18	— 7	— 8	7	17	13	8	3	0	174
	30	5	23	37	130	33	— 32	— 9	— 6	28	— 10	7	— 18	432
	31	— 10	— 2	— 1	5	— 14	19	51	4	— 26	0	— 36	17	449

Hourly Amount.	252	242	235	352	251	261	216	222	302	252	196	178	5236
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VERTICAL FORCE. D.
DEVIATIONS. — UNITY = 0.00001 C. G. S.

Mean Batavia Time.	1 A. M.	2	3	4	5	6	7	8	9	10	11	12		
MARCH.	1	9	9	8	6	3	— 1	— 2	— 4	— 2	— 3	2	— 1	—
	2	1	— 4	— 7	— 5	— 3	— 1	0	4	— 1	— 1	— 2	4	—
	3	1	2	3	7	9	3	1	— 1	— 13	— 7	6	2	—
	4	11	3	4	4	2	2	— 2	1	2	7	6	2	—
	5	— 1	1	1	4	8	10	8	14	9	7	4	— 3	—
	6	— 1	— 1	— 3	0	0	— 1	6	4	2	10	18	13	—
	7	— 1	— 2	— 1	0	3	— 1	— 7	— 13	— 14	— 4	— 1	10	—
	8	— 2	3	2	3	2	5	— 10	— 21	— 20	— 18	— 10	— 2	—
	9	— 2	2	— 2	— 1	0	2	— 3	— 2	— 7	— 9	— 17	— 2	—
	10	0	1	— 2	3	3	3	4	3	1	— 12	— 20	— 3	—
	11	— 9	— 5	— 7	— 3	— 3	0	9	23	25	29	14	0	—
	12	7	— 1	1	1	2	1	6	15	22	22	18	12	—
	13	4	4	4	2	— 1	— 3	— 6	— 9	— 5	— 3	1	— 2	—
	14	2	3	3	8	9	8	8	— 5	2	18	12	6	—
	15	3	0	— 1	2	— 1	— 4	— 12	— 13	6	— 24	— 15	5	—
	16	— 2	— 2	— 1	— 2	3	3	0	6	— 9	— 17	0	— 5	—
	17	— 2	7	2	2	3	— 4	— 2	10	13	18	3	— 5	—
	18	— 6	— 9	— 9	— 22	— 15	— 19	— 14	— 7	5	5	18	14	—
	19	— 2	4	11	14	8	6	11	2	— 6	— 9	— 1	— 7	—
	20	0	— 8	— 6	— 4	— 13	— 6	9	— 1	— 2	12	2	— 4	—
	21	— 8	— 7	— 7	— 7	— 4	— 2	1	— 5	— 7	— 3	— 8	— 11	—
	22	0	— 2	— 3	— 12	— 5	5	13	9	4	— 5	— 4	— 5	—
	23	— 3	— 2	— 2	0	— 6	9	8	8	15	4	— 1	— 5	—
	24	1	— 7	— 4	— 4	1	9	4	— 11	— 12	— 12	— 13	0	—
	25	— 11	— 8	— 2	— 2	— 3	— 6	— 4	10	7	3	9	1	—
	26	6	10	9	11	9	4	2	— 1	— 14	— 21	— 17	— 2	—
	27	— 1	1	0	0	0	— 11	— 6	4	7	5	3	— 15	—
	28	2	2	— 5	— 10	— 9	— 9	— 11	— 5	— 4	2	— 3	— 1	—
	29	0	1	9	— 1	0	— 5	— 6	— 17	— 6	8	3	7	—
	30	— 9	— 8	— 7	— 2	— 4	— 11	— 19	— 5	7	26	19	5	—
	31	17	27	— 16	20	20	— 1	— 20	— 11	5	— 10	— 3	2	—

Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily Amount.
MARCH.	1	— 4	— 1	— 1	1	2	1	— 1	— 7	— 3	— 2	— 2	0	75
	2	2	6	— 2	— 2	4	4	1	— 1	— 4	— 2	3	5	69
	3	— 2	— 9	— 13	— 13	— 12	— 12	— 1	31	19	1	— 7	5	180
	4	— 21	— 13	— 7	— 2	9	4	— 1	— 6	— 6	— 6	0	0	121
	5	— 5	— 15	— 18	— 9	0	0	— 2	— 4	— 1	— 3	0	1	128
	6	9	— 12	— 18	— 15	— 13	— 5	2	3	2	2	7	7	154
	7	13	5	3	8	14	11	2	1	9	— 5	12	— 2	142
	8	0	15	16	13	8	— 3	— 8	— 6	— 6	— 1	— 3	— 5	182
	9	9	7	16	18	18	3	— 5	— 2	— 2	— 5	2	2	138
	10	4	— 1	— 2	0	7	4	2	12	— 7	— 7	— 8	— 8	117
	11	— 19	— 22	— 25	— 17	— 3	— 3	0	0	— 4	— 1	4	7	232
	12	— 7	— 23	— 25	— 26	— 23	— 11	— 6	— 1	— 3	— 2	3	3	241
	13	3	10	17	10	8	— 1	0	— 2	2	2	2	3	101
	14	— 6	— 10	— 11	— 21	— 23	— 12	— 6	— 4	2	6	6	5	196
	15	9	12	8	7	5	1	3	— 3	— 1	— 1	1	3	140
	16	— 1	3	2	3	— 10	1	12	18	10	— 8	2	— 10	130
	17	— 17	— 10	— 4	— 10	1	— 4	0	1	8	9	3	— 4	142
	18	17	26	22	4	— 11	— 6	— 5	— 2	— 13	— 2	— 1	0	252
	19	3	13	5	— 3	— 6	— 1	— 5	— 7	— 4	— 3	— 6	— 6	143
	20	15	11	— 4	18	9	16	— 1	— 13	— 1	— 3	0	— 1	159
	21	5	8	18	9	7	0	1	7	2	0	1	0	128
	22	— 3	— 8	0	— 3	3	10	9	— 7	— 13	— 8	— 4	— 3	138
	23	0	— 1	4	— 9	— 20	— 7	11	9	24	48	6	0	202
	24	4	— 7	— 7	— 3	1	0	— 2	6	— 2	— 3	3	0	116
	25	— 8	— 3	— 4	2	4	0	2	— 4	— 1	— 3	— 2	8	107
	26	7	10	8	6	7	0	0	— 5	— 4	— 1	— 3	— 4	161
	27	— 6	— 2	2	7	6	— 6	3	0	— 3	— 2	— 11	— 3	104
	28	14	17	16	15	6	— 7	— 6	— 5	7	4	1	0	161
	29	— 12	— 5	7	12	7	8	— 4	— 12	— 8	— 6	— 5	— 3	152
	30	— 1	— 10	— 17	— 61	0	42	42	12	2	— 2	— 5	3	319
	31	12	7	5	— 1	36	— 13	— 36	— 19	23	— 22	23	— 10	359
Hourly Amount.		238	302	307	328	283	196	179	210	196	170	136	111	4992

EASTERLY DECLINATION. D.
DEVIATIONS. - UNITY = 0.1.

Mean Batavia Time.	1 A.M.	2	3	4	5	6	7	8	9	10	11	12	—	
A P R I L.	1	0	2	2	1	3	— 1	—12	—13	— 4	2	4	9	—
	2	2	0	— 6	1	— 2	1	— 3	0	— 3	— 1	— 5	— 5	—
	3	— 3	— 4	— 5	— 3	— 1	— 2	— 7	— 6	— 3	— 1	3	4	—
	4	— 2	— 1	— 2	— 8	— 9	— 9	—10	1	5	9	14	10	—
	5	— 2	— 4	— 7	— 8	— 8	—10	—10	— 8	6	14	17	13	—
	6	— 1	2	2	— 5	— 4	— 3	— 4	— 1	— 1	0	— 2	— 6	—
	7	0	0	0	0	— 3	0	0	1	3	— 4	— 7	—10	—
	8	3	4	2	3	4	— 1	— 7	— 8	— 7	— 7	— 3	— 6	—
	9	1	0	1	2	0	3	— 1	— 8	—13	— 5	— 1	2	—
	10	1	— 1	— 2	— 1	— 1	— 1	— 3	— 4	— 9	— 4	— 7	0	—
	11	— 2	1	1	0	— 1	— 4	— 8	— 5	— 1	4	4	2	—
	12	1	2	1	0	8	13	6	4	5	— 1	— 6	0	—
	13	— 5	— 4	4	— 2	4	7	1	— 8	6	1	4	— 3	—
	14	1	0	0	— 1	0	— 4	6	5	9	7	— 4	— 4	—
	15	0	0	— 2	— 1	— 4	0	3	10	12	— 2	6	13	—
	16	4	2	5	6	7	6	3	3	— 4	— 4	— 1	— 8	—
	17	2	3	6	5	4	— 1	— 2	— 1	— 1	2	7	3	—
	18	3	2	— 2	2	3	— 4	— 1	— 4	— 1	5	7	12	—
	19	2	— 4	3	6	8	10	1	— 8	— 3	— 4	0	3	—
	20	— 1	0	— 5	— 4	— 5	— 2	1	1	— 1	7	11	12	—
	21	0	3	4	— 1	— 3	2	7	0	3	7	8	8	—
	22	2	3	2	1	— 1	— 2	2	7	— 2	— 7	— 8	— 7	—
	23	2	1	1	5	0	— 1	4	4	— 4	— 7	— 9	— 4	—
	24	2	0	2	6	6	5	9	5	— 8	—12	—10	— 7	—
	25	0	— 1	2	— 1	— 1	0	0	8	2	— 8	—12	—10	—
	26	— 3	0	1	2	— 1	1	8	9	0	— 6	—10	—15	—
	27	0	3	— 2	— 2	0	4	7	10	4	3	— 2	— 6	—
	28	— 4	— 5	— 5	1	— 1	3	6	9	5	5	3	3	—
	29	0	0	1	— 3	— 1	— 1	3	— 2	— 4	0	— 6	—10	—
	30	— 1	— 7	— 2	— 3	0	— 5	— 1	2	6	6	6	6	—

Hourly Amount.	50	59	80	84	93	106	136	155	135	145	187	201	—
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Mean Batavia Time.	1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily Amount	
A P R I L.	1	9	3	6	— 1	—10	5	3	0	4	2	3	— 1	100
	2	1	1	— 3	— 1	4	7	5	5	7	6	4	— 1	74
	3	1	— 3	— 1	— 4	5	0	2	4	6	2	— 1	— 4	75
	4	7	3	1	0	— 2	— 1	— 3	1	3	0	0	— 4	105
	5	11	8	2	— 1	— 2	— 2	3	3	— 1	— 2	0	— 3	145
	6	— 7	— 2	— 2	— 1	— 2	1	5	4	3	4	6	3	71
	7	— 6	— 1	2	5	0	2	2	4	3	4	4	4	65
	8	— 2	— 2	1	— 1	3	1	1	5	4	5	6	2	88
	9	4	5	2	— 1	— 2	2	2	1	3	4	3	1	67
	10	6	5	5	1	1	0	— 1	4	4	2	1	— 2	66
	11	3	5	2	— 3	— 3	— 3	— 4	— 6	— 4	— 3	— 3	— 1	73
	12	— 2	— 1	3	1	5	— 6	— 9	— 2	— 1	— 2	0	3	82
	13	— 3	— 6	— 4	3	12	3	0	— 4	— 2	— 11	— 6	0	103
	14	5	— 4	— 3	4	— 1	— 5	6	— 4	— 3	— 13	— 8	— 1	98
	15	— 4	11	7	2	— 5	— 4	— 8	— 11	— 6	— 4	— 4	— 1	120
	16	— 10	— 4	— 3	— 3	— 2	2	— 4	— 3	— 1	3	— 3	3	94
	17	1	— 1	— 3	— 4	— 5	— 8	— 4	— 7	— 3	4	1	3	81
	18	8	2	— 6	— 4	— 5	— 4	— 7	2	— 5	0	4	4	97
	19	— 2	— 4	— 3	— 2	— 3	0	1	— 1	— 1	2	— 1	3	75
	20	4	4	2	— 3	— 3	— 2	— 5	— 7	— 7	— 5	— 7	0	99
	21	2	1	— 1	— 2	— 5	— 3	— 4	0	— 1	— 3	0	3	71
	22	— 7	— 9	— 3	0	2	5	7	4	3	3	2	2	91
	23	3	2	— 2	— 1	6	2	— 1	— 3	0	1	0	— 3	66
	24	2	— 1	2	— 6	— 2	1	3	2	4	3	4	0	102
	25	15	10	— 5	0	0	9	3	7	0	— 3	— 3	— 5	105
	26	— 10	— 8	— 5	0	4	3	5	6	0	3	1	— 1	102
	27	— 11	— 10	— 2	6	4	3	3	— 3	— 3	— 2	— 4	— 4	98
	28	— 1	— 2	— 2	8	7	3	— 2	— 3	— 3	— 2	1	1	85
	29	— 7	— 4	7	8	3	— 1	6	— 1	2	2	1	— 1	74
	30	— 5	2	1	4	2	— 8	— 2	— 5	— 5	— 3	— 5	— 4	91

Hourly Amount.	159	124	91	80	110	96	111	112	92	103	86	68	2663
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HORIZONTAL FORCE. D.
DEVIATIONS. — UNITY = 0.00001 C. G. S.

Mean Batavia Time.		1 A.M.	2	3	4	5	6	7	8	9	10	11	12	—
APRIL.	1	— 7	37	14	13	22	32	9	— 6	—17	—12	—14	—21	—
	2	— 2	— 3	— 5	— 1	— 3	— 5	3	— 2	— 5	3	10	— 1	—
	3	— 4	0	— 4	— 4	— 8	— 8	— 4	— 4	6	6	4	10	—
	4	— 6	— 6	— 7	— 8	—11	—15	—11	— 6	1	2	3	6	—
	5	— 6	— 9	— 9	— 5	—10	— 4	0	5	5	5	11	8	—
	6	—10	— 8	— 2	— 5	— 5	— 7	— 5	—10	— 4	— 3	1	12	—
	7	— 3	— 6	— 5	— 2	— 3	— 5	— 7	— 9	—10	— 8	— 4	6	—
	8	2	0	1	— 1	— 2	— 5	— 5	— 7	— 5	7	4	6	—
	9	— 4	— 6	—10	—10	—11	—12	—10	— 2	4	5	7	9	—
	10	— 5	— 5	— 4	— 4	— 5	— 5	— 5	— 3	6	7	7	6	—
	11	— 4	— 5	— 4	— 5	— 8	— 3	— 4	2	6	6	4	3	—
	12	— 3	—13	—16	—15	—18	— 6	3	— 6	— 1	4	0	—10	—
	13	41	3	— 5	3	— 2	0	20	23	— 4	3	—27	—14	—
	14	25	24	23	23	22	25	3	10	—14	—19	—10	—20	—
	15	19	27	51	35	33	31	4	15	—10	—20	—41	—51	—
	16	17	16	5	9	10	9	12	— 4	4	0	—12	— 9	—
	17	— 3	2	0	— 1	0	— 8	— 3	5	10	1	0	6	—
	18	0	6	1	— 3	9	10	— 3	— 1	4	— 2	4	—13	—
	19	—18	— 8	1	8	— 3	— 7	— 2	11	16	4	7	2	—
	20	— 2	— 9	5	4	3	1	6	0	3	1	5	10	—
	21	— 8	— 7	— 1	3	9	5	3	11	— 4	— 2	8	— 5	—
	22	— 3	— 5	— 1	— 1	0	— 5	—10	—12	1	0	4	12	—
	23	— 5	— 2	— 5	— 5	— 6	—10	— 9	— 7	2	4	6	4	—
	24	— 3	— 8	— 5	— 1	1	—10	— 6	— 1	4	— 2	— 1	4	—
	25	— 1	1	— 5	1	8	8	24	5	— 1	4	7	11	—
	26	1	— 1	— 1	0	— 1	— 3	1	1	9	10	6	8	—
	27	— 3	— 4	— 5	— 4	— 5	— 4	— 3	— 3	5	— 3	— 4	0	—
	28	— 3	— 3	— 4	— 6	0	— 1	2	2	6	10	5	5	—
	29	4	— 3	— 1	— 9	—11	— 3	— 5	— 8	— 6	— 2	3	6	—
	30	1	1	— 1	— 3	— 2	3	— 1	— 6	—21	— 9	— 2	2	—
Hourly Amount.		213	228	201	192	231	250	183	187	194	164	221	280	—
Mean Batavia Time.		1 P.M.	2	3	4	5	6	7	8	9	10	11	12	Daily Amount.
APRIL.	1	— 1	— 3	— 3	2	11	— 6	—10	4	8	5	— 4	— 7	268
	2	— 2	— 3	— 5	7	— 1	— 4	— 4	3	— 1	— 2	— 4	— 3	82
	3	6	3	3	0	4	7	6	0	0	— 5	— 3	— 3	102
	4	10	15	1	— 2	13	17	8	5	2	— 2	— 4	— 2	163
	5	8	4	2	6	5	6	0	— 3	3	— 1	0	5	120
	6	14	4	7	9	6	8	5	0	4	3	— 4	— 4	140
	7	22	25	16	0	— 8	—14	—13	— 5	3	0	— 7	1	182
	8	9	5	0	1	3	4	3	3	2	— 4	— 7	— 5	91
	9	13	6	4	4	4	3	3	2	4	0	— 1	1	135
	10	3	1	0	— 1	3	6	4	3	1	— 2	— 1	0	87
	11	3	— 4	— 3	2	8	17	18	22	19	22	17	13	202
	12	5	— 5	—16	— 9	— 2	—10	1	— 7	— 2	— 2	7	— 4	165
	13	—16	3	10	3	—33	—31	—13	7	13	18	— 8	6	306
	14	—41	—22	1	— 6	—18	—17	—48	—26	—26	33	19	23	498
	15	—12	—28	—56	—34	— 1	— 2	— 8	2	9	18	13	22	542
	16	— 5	— 7	— 7	—10	— 8	—11	20	11	— 9	4	— 2	— 3	204
	17	— 9	2	9	1	— 1	4	7	5	5	—13	7	— 8	110
	18	—11	3	— 5	— 1	2	— 1	14	— 4	1	— 1	—16	—15	130
	19	2	—20	— 2	8	6	12	3	— 1	—11	—21	12	8	193
	20	— 1	0	— 9	— 7	— 4	8	9	2	—15	—15	19	5	143
	21	— 7	— 2	0	1	2	0	— 1	— 2	— 9	1	1	2	94
	22	8	7	7	3	7	0	— 3	— 3	6	1	2	— 3	104
	23	4	1	7	1	— 3	— 2	1	— 2	— 1	— 3	— 4	0	94
	24	11	8	13	5	3	4	2	2	— 2	— 6	— 7	— 5	114
	25	—37	—25	— 2	1	2	— 7	— 6	—16	— 3	— 2	— 5	— 3	185
	26	2	3	1	2	1	7	5	1	0	— 5	— 2	— 1	72
	27	5	15	13	8	5	1	— 9	— 7	0	0	2	4	112
	28	1	— 5	0	1	— 1	— 4	3	4	5	2	2	2	77
	29	11	5	1	1	1	8	5	8	6	— 6	—11	—10	134
	30	9	7	3	4	— 2	1	1	— 5	—10	—13	—11	—15	133
Hourly Amount.		288	241	206	140	168	222	233	165	180	210	202	183	4982

VERTICAL FORCE. D.
DEVIATIONS. — UNITY = 0.00001 C. G. S.

Mean Batavia Time.		1 A.M.	2	3	4	5	6	7	8	9	10	11	12	—
APRIL.	1	7	—20	—10	—2	—1	—2	1	5	1	—1	7	11	—
	2	—3	—1	1	—2	—1	0	1	1	—2	3	—3	—3	—
	3	9	5	9	9	10	14	6	—3	—10	—9	—2	—10	—
	4	4	7	8	7	10	13	3	—6	—11	—7	—3	—2	—
	5	6	7	6	2	5	2	2	—9	—7	—12	—7	—2	—
	6	6	4	—1	0	0	1	5	7	3	—3	—6	—9	—
	7	4	2	1	—3	—1	—1	—2	—7	—1	3	8	4	—
	8	—1	—3	—3	—1	1	5	10	8	3	—7	—4	—4	—
	9	5	8	8	6	4	6	11	8	6	3	—5	—13	—
	10	5	3	4	2	3	4	11	9	3	—2	—2	—4	—
	11	8	8	7	6	8	6	8	9	—2	—8	—10	—7	—
	12	11	14	15	11	9	3	—4	8	3	—2	—1	10	—
	13	—32	1	3	—2	—3	0	—19	—9	2	—2	19	10	—
	14	—9	—8	—4	—3	—3	—5	5	—16	—3	8	6	7	—
	15	—14	—18	—31	—14	—11	—12	0	—8	3	4	15	29	—
	16	—9	—8	3	3	2	5	7	9	7	12	1	0	—
	17	—10	—13	—5	—6	—11	—9	—5	—6	—12	—6	—1	8	—
	18	—5	—9	—3	0	—8	—6	5	7	2	1	—8	9	—
	19	10	0	—7	—5	2	8	8	—4	—9	—3	—8	—1	—
	20	0	1	—8	—8	—9	—6	—8	0	3	—1	—5	—1	—
	21	1	3	—2	—6	—6	—4	—1	—4	7	6	2	3	—
	22	4	4	—2	—1	—3	1	4	2	—5	—2	—8	—12	—
	23	—1	—4	—3	—4	—4	—6	—10	5	7	5	—3	—6	—
	24	1	5	1	—3	—4	—3	—4	—8	0	5	5	1	—
	25	4	2	6	3	—2	—4	—16	—16	—10	—9	—8	—15	—
	26	—10	—8	—8	—10	—9	—12	—13	6	14	16	18	7	—
	27	6	5	5	4	5	0	—3	—10	—2	5	12	8	—
	28	3	6	5	6	1	—2	1	—1	—1	—4	—1	—10	—
	29	—2	4	3	8	9	0	7	18	19	15	6	0	—
	30	2	—1	—2	1	0	—4	—8	—4	—2	—6	—6	—9	—

Hourly Amount.	192	182	174	138	145	144	188	213	160	170	190	215	—
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Mean Batavia Time.	1 P.M.	2	3	4	5	6	7	8	9	10	11	12	Daily Amount.	
A P R I L.	1	— 3	1	— 7	— 6	1	3	5	— 2	— 4	— 2	1	4	107
	2	7	4	— 3	— 7	— 4	1	— 2	— 3	1	3	6	6	68
	3	— 5	— 1	0	— 1	— 9	— 13	— 7	— 3	2	2	2	2	143
	4	0	— 5	1	1	— 9	— 10	— 3	— 3	2	3	6	2	126
	5	— 2	— 1	2	— 3	— 1	— 2	— 1	2	— 3	— 3	— 1	— 1	89
	6	— 1	— 2	— 3	— 1	0	— 2	— 1	1	1	3	5	5	70
	7	— 7	— 13	— 3	11	12	12	3	— 3	— 5	— 3	3	— 2	114
	8	— 4	— 3	— 6	— 9	— 9	— 5	— 4	— 4	— 1	2	5	4	106
	9	— 15	— 10	3	3	0	— 5	— 6	— 6	— 3	— 1	2	3	140
	10	— 9	— 6	— 4	— 4	— 8	— 10	— 6	— 3	— 2	1	5	5	115
	11	— 13	— 8	— 5	— 4	— 9	— 11	— 9	— 10	— 7	— 7	— 1	— 4	175
	12	— 2	2	5	1	6	7	— 4	2	— 1	— 3	— 7	2	133
	13	13	1	— 7	— 10	19	21	9	— 8	— 7	— 9	8	0	214
	14	18	9	— 6	6	15	18	31	13	— 4	— 24	— 18	— 15	254
	15	0	9	25	18	1	2	6	1	— 6	— 12	— 9	— 10	258
	16	— 2	— 1	6	8	2	2	2	3	— 3	1	— 13	— 3	112
	17	23	11	5	8	7	2	— 4	0	— 4	7	— 1	— 1	165
	18	12	— 1	10	6	— 2	0	— 7	3	3	5	8	6	126
	19	— 3	4	— 7	— 13	— 10	— 7	— 1	6	15	16	— 9	— 9	165
	20	10	13	12	9	4	— 3	— 6	0	11	9	— 14	— 2	143
	21	— 4	— 9	— 3	— 4	— 4	2	1	5	10	1	0	0	88
	22	— 3	4	4	10	1	— 2	1	2	— 2	— 3	— 3	— 2	85
	23	— 4	2	7	7	8	6	0	1	3	4	6	1	107
	24	— 6	— 2	0	3	3	2	2	2	6	5	8	6	85
	25	17	28	22	14	0	0	2	6	3	— 7	— 3	— 7	204
	26	3	— 3	— 7	— 7	— 12	— 5	— 3	3	5	7	4	6	196
	27	0	— 12	— 18	— 15	— 3	3	7	6	2	— 3	— 1	0	135
	28	— 6	3	— 3	— 3	— 1	0	— 5	— 6	— 4	— 2	— 2	— 3	79
	29	— 18	— 16	— 17	— 14	— 4	— 6	0	— 4	— 2	10	13	10	205
	30	— 4	2	— 1	— 5	0	— 4	— 8	— 8	— 11	— 8	— 10	— 11	117

Hourly Amount.	211	186	202	211	161	166	146	119	133	166	174	132	4124
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EASTERLY DECLINATION. D.

DEVIATIONS. — UNITY = 0.1.

Mean Batavia Time.	1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—	
M A Y.	1	0	— 2	6	— 4	— 4	— 9	— 16	— 9	1	19	14	—	
	2	— 6	— 5	— 6	— 5	— 2	1	— 10	— 19	— 7	— 4	10	12	—
	3	— 1	1	— 1	— 1	— 1	— 4	— 5	— 13	— 12	— 7	— 3	2	—
	4	1	— 5	— 2	— 5	— 5	— 1	— 1	9	5	4	0	— 4	—
	5	4	— 1	3	1	— 1	2	3	— 2	— 2	— 6	— 11	— 12	—
	6	2	2	4	0	— 2	— 4	— 4	— 3	— 4	— 8	— 5	— 9	—
	7	— 1	1	— 1	— 3	— 3	0	1	— 5	— 3	— 1	— 1	— 3	—
	8	0	— 2	— 5	— 3	— 4	— 4	— 4	— 5	— 7	— 5	1	7	—
	9	— 2	— 1	— 9	— 4	3	11	25	21	11	8	4	5	—
	10	0	0	— 1	8	7	— 1	— 15	— 9	— 7	— 4	— 1	1	—
	11	1	— 6	— 8	— 2	0	— 2	— 4	1	10	15	10	8	—
	12	— 2	3	— 1	— 5	2	— 1	— 4	1	3	4	6	3	—
	13	— 4	— 3	1	— 1	1	1	1	6	19	19	8	— 4	—
	14	3	3	4	3	1	13	— 3	— 1	1	2	0	— 5	—
	15	3	3	6	5	7	4	6	2	7	2	— 6	— 3	—
	16	2	2	1	5	5	3	11	7	— 4	— 2	— 2	— 6	—
	17	2	4	— 1	5	— 2	— 3	0	3	4	— 1	— 3	— 1	—
	18	0	2	7	5	1	2	— 1	1	7	14	3	— 1	—
	19	— 2	0	5	7	— 2	— 7	— 11	— 8	— 11	— 6	5	15	—
	20	1	4	6	2	1	— 1	0	— 3	— 3	— 5	— 5	— 3	—
	21	0	— 1	— 1	4	0	0	0	— 1	— 4	0	2	10	—
	22	— 10	1	— 3	— 4	— 2	— 3	11	9	11	4	3	— 5	—
	23	3	1	— 1	— 1	1	4	1	0	— 6	— 4	— 3	— 3	—
	24	1	— 1	2	— 2	1	— 1	4	2	1	— 5	— 8	— 3	—
	25	— 1	1	— 1	— 4	— 2	3	10	10	3	— 4	— 3	1	—
	26	5	1	1	1	0	— 1	4	3	1	— 2	— 1	— 3	—
	27	2	— 2	2	1	2	2	5	10	6	1	2	— 7	—
	28	— 1	0	— 1	2	0	— 2	2	2	1	— 3	— 5	— 1	—
	29	1	5	— 2	0	— 2	3	1	— 1	1	0	— 6	— 4	—
	30	— 2	— 3	— 5	— 4	— 2	— 5	— 4	— 4	— 7	0	— 1	5	—
	31	— 1	— 2	— 1	1	— 1	0	3	1	— 3	— 2	— 2	— 4	—

Hourly Amount.	64	68	98	98	67	98	173	178	180	143	139	164	—
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Mean Batavia Time.	1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily Amount	
M A Y.	1	10	3	5	12	17	4	4	— 3	0	1	3	— 4	169
	2	3	0	— 1	2	16	6	6	1	0	3	1	— 4	130
	3	7	— 3	— 3	0	0	5	11	5	3	1	0	— 2	91
	4	— 2	— 4	— 1	1	0	6	3	1	3	— 1	3	4	71
	5	— 6	— 2	0	— 4	1	5	7	5	7	7	8	5	105
	6	— 7	— 4	— 2	0	4	4	6	5	5	3	6	5	98
	7	— 5	— 2	3	3	5	5	1	5	4	1	1	2	60
	8	6	2	2	— 2	— 1	— 4	— 6	— 4	— 3	— 6	— 3	— 2	88
	9	2	— 2	1	— 5	— 2	— 10	— 9	— 5	— 6	— 4	— 2	4	156
	10	6	4	2	9	2	2	6	— 1	— 3	— 2	— 4	— 4	99
	11	11	3	0	1	— 4	— 11	— 5	— 6	— 7	— 3	— 7	— 6	131
	12	7	14	7	4	— 5	0	— 2	— 2	— 3	— 3	— 12	— 7	101
	13	— 9	— 8	— 7	— 6	— 4	— 2	— 5	— 6	— 2	— 2	2	0	121
	14	— 6	— 8	— 3	0	— 2	1	— 2	— 1	— 3	2	— 10	3	80
	15	— 11	— 8	— 7	— 1	— 1	2	— 3	2	— 2	— 4	2	1	98
	16	— 8	— 3	— 1	— 3	— 6	1	— 3	1	1	3	4	3	87
	17	8	8	1	— 6	— 8	— 8	2	0	— 2	— 7	— 8	— 10	97
	18	— 2	7	3	— 1	— 6	— 8	— 5	— 1	— 1	1	0	— 3	82
	19	16	14	7	— 3	— 3	— 5	— 4	— 3	0	2	1	0	137
	20	— 5	— 1	0	— 4	— 4	3	2	0	1	— 1	0	0	55
	21	18	2	— 3	— 5	2	7	— 4	— 5	— 3	0	— 4	1	77
	22	— 6	— 4	— 5	0	1	— 2	— 1	2	1	2	2	3	95
	23	— 2	1	4	2	— 1	0	0	0	1	1	4	2	46
	24	— 3	— 5	— 5	— 2	4	9	1	2	3	4	2	0	71
	25	— 3	— 4	— 7	— 3	— 1	— 3	— 1	1	1	2	3	1	73
	26	— 6	— 8	1	— 3	— 3	1	2	4	3	2	2	— 4	62
	27	— 14	— 9	— 8	0	— 6	— 7	3	5	4	1	7	4	110
	28	1	2	3	0	4	— 1	0	4	— 1	0	1	1	38
	29	— 7	— 7	— 2	7	6	1	3	2	2	3	2	1	69
	30	8	18	11	4	— 5	— 3	— 3	— 1	— 1	— 1	1	0	98
	31	2	0	4	2	— 2	— 1	— 4	— 2	— 1	— 2	— 1	— 1	43

Hourly Amount.	207	160	109	95	126	127	114	85	77	75	106	87	2838
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HORIZONTAL FORCE. D.
DEVIATIONS. — UNITY = 0.00001 C. G. S.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
M A Y.	1	8	3	5	1	1	0	— 2	8	3	7	— 9	— 2	—
	2	0	3	9	4	7	6	8	8	— 8	15	6	— 9	—
	3	6	2	10	6	6	2	4	8	— 3	— 6	2	— 2	—
	4	— 4	1	— 10	— 7	— 4	— 7	— 4	— 7	0	— 4	0	6	—
	5	— 3	— 3	— 5	— 7	— 3	— 4	— 7	— 6	— 6	2	5	5	—
	6	— 3	— 6	— 1	— 3	— 5	0	— 4	— 5	— 1	— 1	— 1	8	—
	7	— 5	— 13	— 14	— 7	— 8	— 6	— 6	0	— 6	— 2	2	1	—
	8	— 8	— 4	— 4	— 4	— 1	— 1	0	7	9	13	11	11	—
	9	14	9	48	38	40	15	20	— 21	— 47	— 33	— 51	— 60	—
	10	14	18	16	11	16	7	3	— 1	1	— 11	— 10	— 10	—
	11	12	4	5	5	2	9	13	11	7	— 13	— 1	2	—
	12	— 3	2	0	3	1	4	— 1	1	9	3	5	10	—
	13	— 4	10	— 9	— 2	— 7	— 2	1	7	9	— 1	— 5	— 1	—
	14	2	0	6	6	6	2	2	2	0	— 4	— 9	— 1	—
	15	— 12	— 3	— 9	— 2	0	4	1	7	5	8	0	— 1	—
	16	— 2	2	11	7	6	4	1	2	2	6	— 3	— 2	—
	17	10	3	3	15	13	8	9	9	— 4	— 10	— 8	— 22	—
	18	8	6	— 3	— 4	— 10	— 10	— 16	— 1	— 8	— 11	3	10	—
	19	— 3	2	— 6	— 4	— 2	— 6	— 7	— 18	— 6	— 7	9	15	—
	20	4	7	2	— 3	0	8	9	— 20	— 4	— 1	6	— 1	—
	21	— 3	— 7	— 7	— 5	— 7	0	0	5	2	0	— 1	— 1	—
	22	— 8	— 4	— 9	— 5	— 7	— 3	— 4	0	19	10	18	3	—
	23	3	— 9	— 6	— 4	— 4	0	— 3	0	9	12	5	0	—
	24	0	— 9	— 1	— 9	— 11	— 11	— 7	— 4	— 4	2	5	9	—
	25	— 3	— 5	— 9	— 6	— 3	1	0	5	3	6	6	4	—
	26	— 1	— 3	— 5	— 7	— 6	— 10	— 6	— 1	0	1	6	9	—
	27	— 6	0	— 5	— 6	— 2	— 7	— 7	— 8	— 2	— 8	— 14	— 3	—
	28	— 10	— 5	— 1	0	2	6	9	11	9	1	— 1	2	—
	29	— 3	— 1	— 1	— 1	— 2	1	2	5	2	1	2	— 3	—
	30	0	— 2	— 4	— 5	— 5	— 7	— 6	0	4	1	6	9	—
	31	— 1	— 3	— 6	— 6	— 5	— 5	— 6	— 3	2	6	10	9	—

Hourly Amount.	163	149	230	193	192	156	168	191	194	206	220	231	—
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Mean Batavia Time.	1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily Amount	
M A Y.	1	12	15	17	12	— 5	1	—18	— 8	— 1	— 9	— 4	— 2	153
	2	—12	— 7	0	9	—12	—12	—13	4	— 3	— 4	— 7	2	168
	3	4	0	— 2	1	9	10	— 1	— 9	— 2	— 1	— 9	— 7	112
	4	13	17	13	7	10	1	— 3	2	— 2	— 3	— 3	— 2	130
	5	10	13	3	2	2	1	5	0	— 4	— 5	— 9	— 6	116
	6	9	10	11	9	7	8	6	3	4	4	10	—19	138
	7	2	6	8	7	5	1	5	0	— 7	—14	— 8	— 7	140
	8	9	11	10	10	10	9	18	25	23	22	18	26	264
	9	—67	—65	—92	—55	—32	—36	13	17	25	20	31	29	878
	10	— 6	13	13	— 3	— 2	10	—11	—17	1	— 7	4	2	207
	11	—13	—18	— 8	— 1	— 4	— 1	1	— 7	2	— 2	— 8	32	181
	12	—11	—11	2	2	2	— 1	1	— 4	— 1	0	3	—13	93
	13	— 2	0	2	1	5	0	3	0	—10	2	— 3	4	90
	14	— 1	5	3	—13	— 6	1	1	6	5	—11	— 2	—19	113
	15	0	1	—11	— 7	1	5	7	9	3	4	1	1	102
	16	— 1	—18	— 8	— 9	—12	— 6	— 6	1	— 2	1	11	12	135
	17	5	—13	—21	—19	— 9	9	12	11	— 3	— 7	7	— 4	234
	18	13	19	27	35	16	— 8	—44	—26	—14	2	— 3	13	310
	19	10	8	4	5	6	— 6	— 8	— 1	— 2	7	6	5	153
	20	— 4	— 1	1	— 1	— 2	1	3	2	— 5	— 5	— 5	— 1	96
	21	3	5	4	5	6	6	9	6	2	1	1	— 7	93
	22	—14	—13	8	6	— 3	—18	1	7	2	— 3	2	—19	186
	23	— 4	1	2	5	7	10	9	9	7	6	— 4	— 3	122
	24	11	4	— 1	— 1	— 5	—11	3	1	— 4	1	1	3	121
	25	2	1	— 9	— 1	2	7	7	4	1	1	0	— 2	88
	26	9	5	— 1	2	2	0	— 4	3	0	5	3	16	105
	27	5	12	11	— 5	12	23	9	—20	1	3	—13	—17	199
	28	2	— 3	— 1	1	1	1	— 5	— 5	1	3	— 4	— 1	85
	29	1	7	7	0	— 8	— 2	2	— 5	— 6	— 1	— 1	— 1	65
	30	9	— 3	2	2	5	3	6	1	— 2	— 3	— 4	— 7	96
	31	5	2	3	— 1	— 1	0	3	1	— 2	— 2	— 1	— 5	88

Hourly Amount.	269	307	305	237	209	208	237	214	147	159	189	287	5061
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VERTICAL FORCE. D.
DEVIATIONS. — UNITY = 0.00001 C. G. S.

Mean Batavia Time.	1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—	
M A Y.	1	12	13	14	13	11	14	9	8	— 2	—18	—13	— 7	—
	2	4	2	0	6	6	11	16	9	12	—13	—16	—13	—
	3	— 5	0	— 4	— 2	0	4	2	— 1	1	— 4	—12	— 4	—
	4	5	0	4	3	1	— 2	— 2	5	4	3	— 1	— 8	—
	5	3	2	3	5	4	2	6	— 1	7	2	3	6	—
	6	— 1	1	— 3	— 2	2	— 3	4	9	8	11	8	1	—
	7	8	8	7	2	0	— 5	— 5	— 3	— 2	— 5	— 4	— 1	—
	8	8	8	8	7	7	5	6	—16	—13	—16	—13	—16	—
	9	—11	— 8	—35	—24	—27	—10	—12	35	58	47	63	52	—
	10	— 4	— 8	— 6	— 1	— 4	9	17	23	12	14	— 3	—12	—
	11	— 2	— 3	— 1	— 3	— 1	— 5	— 7	— 7	— 7	2	—10	2	—
	12	— 1	3	5	8	8	5	10	5	— 3	— 1	— 5	— 9	—
	13	12	— 4	13	9	10	7	6	—21	—26	—16	7	3	—
	14	— 5	2	— 4	— 1	2	— 3	— 1	3	0	0	4	— 6	—
	15	1	— 7	— 5	— 8	— 8	—12	— 3	6	9	5	4	7	—
	16	—14	— 6	— 3	—12	—11	— 6	— 3	13	18	23	17	— 2	—
	17	3	1	— 7	— 3	3	— 2	— 5	—11	— 7	0	— 2	4	—
	18	— 9	—11	—11	—13	—11	— 6	— 3	2	9	14	4	15	—
	19	— 5	— 4	2	3	9	13	14	1	— 8	—11	—13	—13	—
	20	— 5	— 5	0	0	2	— 3	— 3	— 5	— 1	0	3	2	—
	21	3	5	3	7	7	2	0	—12	—26	—16	—30	— 6	—
	22	—10	— 6	— 8	—11	—11	—14	—14	— 4	0	9	14	20	—
	23	5	3	5	2	4	2	— 3	3	— 3	— 9	— 8	—10	—
	24	3	9	5	6	5	2	— 3	— 5	1	— 6	— 8	—12	—
	25	0	0	0	— 1	— 4	—14	—16	—13	— 7	— 7	3	9	—
	26	1	1	3	0	— 1	0	— 5	— 6	— 5	— 3	— 8	— 4	—
	27	9	3	4	3	1	2	— 2	— 4	— 7	— 4	4	3	—
	28	— 1	1	— 3	— 3	— 4	— 6	—11	—15	—17	— 7	8	5	—
	29	0	2	1	2	3	— 1	— 1	0	6	12	10	— 2	—
	30	0	2	5	6	4	5	1	— 4	— 2	— 6	— 6	— 7	—
	31	— 4	— 1	2	0	0	2	2	1	— 1	1	1	2	—

Hourly Amount.	154	129	174	166	171	177	192	251	282	285	305	263	—
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Mean Batavia Time.	1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily Amount	
M A Y.	1	—10	— 3	— 9	— 9	0	7	16	9	— 1	5	0	2	205
	2	— 4	— 9	—12	—18	— 4	9	9	— 2	6	5	12	— 2	200
	3	— 6	— 2	— 7	— 6	— 9	— 9	1	10	3	6	7	5	110
	4	—11	— 8	— 6	— 6	— 2	— 1	5	0	4	8	4	2	95
	5	— 6	—16	—12	— 9	— 4	— 2	— 1	1	4	5	7	3	114
	6	— 9	—13	—19	—22	—17	— 6	— 1	0	3	4	— 1	16	164
	7	2	0	— 2	4	4	0	— 4	1	9	11	8	7	102
	8	—11	— 7	0	0	— 7	— 7	—11	—19	—15	—16	—15	—19	250
	9	47	43	46	24	— 6	— 6	—34	—35	—38	—28	—27	—21	737
	10	—22	—25	—21	— 5	9	— 5	1	14	— 2	4	— 1	— 1	223
	11	16	25	12	2	0	— 2	— 2	3	— 1	— 2	5	—19	139
	12	— 8	—16	—13	— 8	— 7	— 1	— 4	1	3	5	7	18	154
	13	7	— 1	1	— 1	— 1	— 2	— 2	0	5	— 5	0	— 6	165
	14	— 3	—14	—11	2	10	3	1	— 1	— 3	5	0	8	92
	15	— 1	3	4	— 1	8	6	6	3	0	0	—11	—11	129
	16	— 5	— 3	— 9	— 1	— 4	— 2	— 2	— 2	2	2	4	3	167
	17	11	13	6	— 2	1	12	30	15	— 2	—15	— 9	—24	188
	18	0	9	14	16	5	— 9	—11	— 5	3	9	— 1	5	195
	19	— 9	— 8	— 2	— 1	— 1	0	— 1	4	9	11	1	5	148
	20	1	— 3	— 1	2	— 1	1	2	— 2	0	— 3	0	3	48
	21	13	31	19	17	8	9	0	— 9	— 7	— 2	— 8	7	247
	22	17	9	0	— 7	— 4	— 2	— 5	— 4	— 1	— 1	1	5	177
	23	— 3	— 3	— 4	— 4	— 5	— 1	— 1	— 1	1	3	8	6	97
	24	— 8	0	13	8	7	7	0	0	4	— 2	— 2	— 1	117
	25	10	9	11	3	2	0	— 1	— 1	1	— 1	— 1	2	116
	26	2	6	13	7	5	4	4	— 2	0	— 4	— 7	—10	101
	27	2	3	0	3	— 4	— 9	— 5	15	4	— 2	6	8	107
	28	6	1	3	5	4	4	6	4	— 2	— 4	0	— 3	123
	29	—12	—20	—15	— 7	5	3	1	2	3	0	0	0	108
	30	— 9	— 3	1	5	5	6	0	0	2	0	— 1	1	81
	31	3	0	0	6	6	3	3	2	9	11	14	17	91

Hourly Amount.	274	306	286	211	155	138	170	167	147	179	168	240	4990
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EASTERLY DECLINATION. D.

DEVIATIONS. — UNITY = 0.1.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
J U N E.	1	2	— 2	— 1	0	— 2	0	1	— 3	— 5	— 1	2	1	—
	2	— 1	0	— 1	0	— 0	3	12	3	— 8	— 6	2	2	—
	3	— 1	— 2	— 3	— 1	— 1	— 2	4	3	2	— 1	— 2	0	—
	4	— 2	— 3	0	— 1	— 1	1	— 2	— 5	0	— 3	— 5	— 4	—
	5	— 3	— 3	0	3	— 3	— 2	— 4	3	11	15	7	3	—
	6	3	8	10	5	2	1	0	10	— 2	— 4	— 5	— 4	—
	7	— 2	— 2	5	2	4	3	2	5	3	6	— 1	— 1	—
	8	— 2	— 3	— 3	2	3	— 2	— 1	8	7	13	2	0	—
	9	1	— 1	1	2	2	8	— 2	— 8	— 11	— 6	1	6	—
	10	3	4	2	2	1	1	— 1	— 5	— 4	— 5	— 4	— 1	—
	11	0	0	— 2	— 3	— 3	0	3	6	— 4	5	0	— 1	—
	12	2	0	0	— 1	— 1	— 2	0	1	1	— 1	— 1	— 2	—
	13	1	2	— 1	6	1	— 1	— 1	6	10	— 3	— 2	— 4	—
	14	3	5	4	11	12	— 1	— 4	— 6	— 7	— 1	— 2	— 3	—
	15	2	— 1	0	— 3	— 4	— 3	0	5	9	6	6	2	—
	16	0	0	— 3	— 1	0	1	2	4	1	4	— 2	1	—
	17	4	4	3	— 1	2	4	2	— 4	— 6	— 7	— 8	— 2	—
	18	2	— 1	— 1	— 2	2	— 2	7	9	5	2	— 3	— 4	—
	19	2	1	4	1	3	4	5	1	— 5	— 2	— 5	— 6	—
	20	0	0	0	— 2	— 1	— 1	6	2	1	0	4	4	—
	21	3	3	4	2	1	1	— 3	0	— 4	— 6	— 7	— 6	—
	22	3	0	0	— 1	— 2	— 4	1	2	— 2	— 8	— 11	— 4	—
	23	— 15	— 7	4	— 1	— 1	— 5	1	— 5	— 5	— 1	2	0	—
	24	3	— 1	1	— 1	1	1	— 8	— 13	— 15	— 15	— 1	5	—
	25	2	0	— 6	— 4	— 6	— 3	— 7	— 4	1	4	7	10	—
	26	— 3	— 1	2	1	3	2	— 2	— 13	6	— 3	— 1	— 1	—
	27	0	0	— 4	— 3	— 3	— 1	— 3	— 3	0	0	7	9	—
	28	— 3	0	0	— 1	— 1	— 1	1	0	3	6	7	6	—
	29	0	— 3	— 3	— 3	— 2	— 3	— 8	— 5	— 2	3	6	7	—
	30	— 4	0	— 6	— 2	— 2	7	1	5	5	4	13	— 6	—
Hourly Amount.		72	57	74	68	70	70	94	147	147	141	126	105	—
Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily Amount
J U N E.	1	5	7	5	4	— 1	— 1	0	— 1	2	— 1	— 1	— 1	49
	2	— 2	— 3	— 1	— 2	— 2	1	2	2	1	2	0	1	57
	3	1	1	0	0	2	3	5	6	5	— 2	— 2	— 3	52
	4	— 7	— 3	2	9	1	0	3	3	1	— 1	— 2	— 1	57
	5	1	1	— 2	— 1	— 4	— 14	— 3	— 7	— 6	— 4	1	1	102
	6	— 5	— 7	— 4	— 6	0	1	— 2	4	— 2	4	2	1	92
	7	— 10	— 11	— 11	— 2	5	— 1	1	2	1	0	0	— 2	82
	8	7	3	— 3	— 2	— 5	— 4	— 3	0	— 2	0	0	1	76
	9	7	6	— 1	— 5	— 5	— 2	— 1	3	1	3	4	2	89
	10	3	0	— 6	— 2	1	3	3	2	1	— 3	— 1	0	58
	11	0	— 2	3	1	— 1	— 1	— 6	— 2	— 2	— 2	0	2	51
	12	0	0	3	5	3	1	— 3	— 4	— 1	— 6	0	2	40
	13	— 7	— 6	— 1	1	— 3	— 1	0	4	4	— 1	— 2	3	71
	14	— 8	— 5	— 3	— 4	0	4	3	— 2	— 1	2	3	1	95
	15	1	— 4	— 1	3	5	— 4	— 5	— 4	— 4	— 1	0	— 1	74
	16	0	— 1	4	6	0	— 2	— 2	— 1	— 2	— 1	— 1	2	41
	17	— 7	— 8	— 9	6	9	1	6	0	1	0	0	3	97
	18	2	8	— 5	— 3	— 7	— 2	— 2	3	4	— 1	— 1	— 2	80
	19	— 7	— 11	— 6	— 5	— 1	2	6	6	1	8	6	3	101
	20	3	1	— 3	1	1	— 1	— 4	— 3	— 3	0	0	0	41
	21	— 7	— 8	— 1	0	2	3	8	5	7	2	— 1	2	86
	22	4	9	1	— 2	2	6	6	0	1	10	1	1	81
	23	— 4	— 1	3	1	7	4	5	0	2	1	2	3	80
	24	12	8	1	— 7	1	7	0	2	— 1	0	— 1	1	106
	25	4	10	5	6	0	4	— 2	0	— 3	— 2	— 3	— 4	97
	26	0	— 6	— 1	2	6	0	2	1	1	0	— 3	0	60
	27	14	9	4	— 2	— 5	1	— 2	— 2	— 3	— 6	— 4	— 1	86
	28	3	2	4	0	0	— 5	— 4	— 3	— 1	— 1	— 1	— 2	55
	29	13	12	9	4	0	— 2	— 4	— 2	— 1	— 2	— 3	— 6	103
	30	— 11	3	17	— 8	— 15	— 3	— 4	— 6	1	0	1	— 2	126
Hourly Amount.		155	156	119	100	94	84	94	80	66	66	46	54	2285

HORIZONTAL FORCE. D.

DEVIATIONS. — UNITY = 0.00001 C. G. S.

Mean Batavia Time.	1 A.M.	2	3	4	5	6	7	8	9	10	11	12	—	
J U N E.	1	1	— 2	— 3	— 2	0	1	— 1	0	2	2	— 1	0	—
	2	— 1	— 4	— 3	— 4	— 4	— 6	— 4	3	12	14	— 12	— 3	—
	3	2	— 1	— 1	— 3	— 4	— 3	— 5	— 5	— 3	— 1	2	1	—
	4	— 9	— 9	— 10	— 5	5	— 3	— 2	3	— 1	— 4	2	5	—
	5	5	7	7	3	6	20	24	16	— 1	— 9	— 13	— 10	—
	6	1	— 4	— 6	3	4	6	3	— 13	6	4	— 7	— 4	—
	7	4	— 4	— 2	0	— 1	1	4	5	11	— 3	— 2	1	—
	8	— 1	— 5	— 5	3	4	0	— 3	1	8	— 12	— 3	2	—
	9	3	5	0	— 5	0	— 6	— 2	3	3	— 1	6	4	—
	10	1	— 10	— 8	— 10	— 7	— 5	1	2	3	3	4	— 3	—
	11	1	3	2	— 4	— 6	— 3	— 4	3	8	2	— 2	— 1	—
	12	1	— 5	— 3	— 1	— 2	— 3	— 8	— 7	1	0	6	11	—
	13	— 9	— 10	9	2	0	— 3	0	— 2	— 2	3	— 2	— 3	—
	14	7	3	3	2	1	9	7	8	1	— 2	— 13	— 9	—
	15	10	4	4	4	3	3	6	5	— 4	— 3	— 3	2	—
	16	— 1	— 2	— 3	— 3	— 1	— 2	1	2	2	4	2	— 2	—
	17	3	1	— 7	1	1	4	3	8	6	4	1	— 6	—
	18	1	— 1	0	6	5	— 4	— 6	2	0	6	13	13	—
	19	— 4	2	0	2	— 1	— 5	— 5	— 4	— 8	— 4	9	3	—
	20	— 2	3	2	0	1	0	— 4	— 5	— 3	1	2	4	—
	21	— 1	— 5	— 1	— 3	— 1	— 3	— 1	— 1	— 3	— 2	— 9	— 4	—
	22	5	6	4	1	3	1	8	— 3	— 5	— 1	2	— 2	—
	23	— 13	— 11	— 12	1	— 1	4	— 1	9	— 5	1	2	— 3	—
	24	2	— 3	9	3	3	4	— 2	— 5	8	3	5	— 4	—
	25	— 4	— 5	3	8	1	— 2	3	— 5	— 3	6	3	— 10	—
	26	5	5	6	7	3	2	7	11	— 10	4	— 7	— 10	—
	27	— 2	— 1	0	— 4	— 1	— 2	0	0	4	10	9	7	—
	28	4	2	1	0	— 3	3	8	6	4	3	0	5	—
	29	— 4	— 6	— 7	— 7	— 7	— 4	— 2	1	2	7	11	10	—
	30	— 5	45	14	1	— 2	— 10	— 22	— 36	— 32	— 26	— 31	5	—

Hourly Amount.	112	174	135	98	81	122	147	174	161	145	184	147	—
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Mean Batavia Time.	1 P.M.	2	3	4	5	6	7	8	9	10	11	12	Daily Amount.	
J U N E.	1	— 1	— 1	— 4	— 2	3	3	— 2	2	— 3	— 1	5	0	42
	2	— 5	— 3	2	2	2	1	2	3	0	0	4	1	95
	3	— 3	6	11	10	10	12	8	— 2	— 9	— 10	— 8	— 6	126
	4	7	9	10	— 6	2	— 4	— 5	— 7	— 4	— 8	0	3	123
	5	— 12	— 1	6	7	2	17	— 14	— 25	— 2	2	6	6	221
	6	4	3	5	— 10	— 6	— 2	— 2	— 2	4	3	7	2	111
	7	— 7	— 3	5	4	— 4	— 10	— 1	4	2	5	2	0	85
	8	6	3	9	1	— 7	— 13	— 3	— 5	0	4	5	1	104
	9	5	— 1	— 2	3	6	2	5	2	— 7	— 6	— 6	— 4	87
	10	— 3	2	5	7	4	— 1	— 1	0	0	3	5	4	92
	11	0	3	3	1	2	2	7	1	2	7	2	0	69
	12	8	8	9	7	— 6	5	18	20	— 11	0	— 34	— 27	201
	13	— 2	1	— 4	5	9	6	6	3	4	— 4	— 8	— 6	103
	14	— 8	— 9	— 7	5	— 14	— 12	— 2	1	2	3	— 2	— 4	134
	15	1	5	— 6	— 6	— 14	— 9	0	1	4	4	3	4	108
	16	— 3	0	0	0	0	2	3	5	6	6	4	4	58
	17	— 7	— 10	10	— 22	— 13	— 8	— 13	2	4	3	13	9	159
	18	— 9	— 22	4	2	5	5	0	— 5	— 5	— 1	4	1	120
	19	10	4	5	4	8	2	— 11	— 4	0	— 3	— 1	— 2	101
	20	6	6	6	4	— 4	1	4	2	— 1	— 7	— 4	— 3	75
	21	4	11	10	11	9	8	3	— 11	— 4	— 5	— 4	5	119
	22	13	— 1	— 2	8	5	6	3	— 2	7	— 13	— 19	— 23	143
	23	1	6	4	8	6	— 13	— 4	5	4	— 1	5	10	130
	24	2	— 15	— 7	1	5	3	0	4	5	— 2	0	3	98
	25	— 6	— 1	2	3	— 4	— 14	— 1	— 6	1	2	3	4	100
	26	— 4	1	— 7	— 18	— 12	2	0	4	4	— 3	3	0	135
	27	— 6	— 12	— 3	— 5	4	8	3	3	— 3	0	— 7	4	98
	28	— 4	— 12	— 12	— 2	— 3	2	5	5	3	— 1	3	1	92
	29	10	4	0	3	3	9	15	14	17	20	12	10	185
	30	9	18	— 49	— 21	4	— 2	— 15	— 9	— 15	6	18	14	409

Hourly Amount.	166	181	209	188	176	184	156	159	133	133	197	161	3723
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VERTICAL FORCE. D.

DEVIATIONS. — UNITY = 0.00001 C. G. S.

Mean Batavia Time.	1 A. M.	2	3	4	5	6	7	8	9	10	11	12		
J U N E.	1	0	3	8	10	7	10	13	-21	-25	-24	-16	-4	—
	2	-8	-6	-10	-11	-8	-9	-5	11	19	22	20	11	—
	3	1	0	0	1	1	0	1	3	1	-3	2	-5	—
	4	5	4	3	-3	-6	-4	-2	0	-2	-4	-11	-1	—
	5	-3	-3	-6	-4	-5	-13	-16	-11	3	6	6	7	—
	6	-8	-3	-2	-10	-9	-9	-6	29	16	7	15	10	—
	7	0	4	0	0	-2	-4	-6	-1	-3	7	4	0	—
	8	5	7	6	-3	-5	-1	-4	-11	-14	1	4	4	—
	9	-1	1	6	8	4	9	13	1	-2	2	-12	-14	—
	10	4	12	11	13	8	10	5	-5	-13	-11	-8	-3	—
	11	-1	2	1	5	6	5	3	-7	-8	-1	-1	-2	—
	12	-2	4	4	2	5	6	5	5	1	-6	-7	-6	—
	13	-5	-5	-13	-7	-3	-3	-1	3	5	7	17	14	—
	14	-1	3	4	4	5	5	5	-8	-1	2	4	-2	—
	15	-4	0	0	4	3	3	1	-8	-5	-4	-4	-4	—
	16	0	1	0	0	-2	-3	-5	0	2	0	-2	1	—
	17	-1	-1	2	-1	-1	-3	-1	-7	-4	-4	-3	6	—
	18	-4	-5	-8	-15	-15	-7	-5	10	15	14	8	-4	—
	19	3	2	2	3	5	9	9	1	6	5	-3	-13	—
	20	-1	-5	-6	-7	-8	-7	-8	3	3	1	4	6	—
	21	1	3	2	1	0	4	1	6	5	5	5	-3	—
	22	-2	-1	-3	0	-2	-1	-6	6	14	14	6	0	—
	23	15	12	10	3	3	4	5	-15	-2	-1	-1	2	—
	24	0	2	-4	-4	-4	-7	-2	9	-3	0	-10	3	—
	25	3	3	2	-3	7	-5	2	3	1	-6	-8	-1	—
	26	-2	-2	-3	-4	0	-2	-3	-3	2	-7	2	7	—
	27	6	6	4	7	5	6	9	0	-7	-17	-21	-11	—
	28	-5	-3	-2	1	3	-1	-7	-9	-7	-7	-2	5	—
	29	4	8	7	7	7	8	4	-5	-9	-9	-12	-12	—
	30	-1	-35	-12	-4	1	5	9	25	20	11	20	11	—

Hourly Amount.	96	146	141	145	140	163	162	226	218	208	238	172	—
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Mean Batavia Time.	1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily Amount	
J U N E.	1	— 6	— 8	— 2	1	— 1	— 2	0	— 2	0	— 4	— 9	— 9	185
	2	8	3	— 5	— 1	2	— 2	— 2	— 1	2	0	0	0	166
	3	1	— 5	— 6	— 4	— 3	— 5	— 1	3	8	8	8	7	77
	4	1	— 1	3	6	2	7	5	4	3	5	2	— 1	85
	5	11	3	— 1	— 3	5	— 4	8	15	0	— 9	— 9	— 11	162
	6	2	— 8	— 8	1	— 6	— 3	— 1	1	— 1	— 2	— 4	1	162
	7	3	— 1	— 5	— 11	— 2	10	1	— 1	1	2	4	6	78
	8	2	10	5	7	12	8	— 3	— 1	— 6	— 7	— 5	— 1	132
	9	— 9	— 4	1	— 3	— 6	— 8	— 8	— 3	2	5	4	3	129
	10	0	3	0	— 5	— 5	2	3	2	0	— 3	— 3	— 1	130
	11	— 2	— 6	— 1	5	2	0	— 2	0	1	— 3	— 2	— 1	67
	12	— 8	0	0	1	9	3	— 6	— 12	7	1	22	11	133
	13	6	— 2	— 5	— 10	— 8	— 2	— 2	— 3	— 1	5	8	5	140
	14	7	— 3	— 11	— 14	2	0	0	1	0	1	4	5	92
	15	1	2	— 1	— 2	6	9	1	1	— 3	— 3	— 1	— 1	71
	16	4	— 3	— 8	— 3	3	5	3	3	2	0	1	0	51
	17	4	8	— 9	8	11	4	9	0	— 2	— 1	— 8	— 9	107
	18	7	12	— 1	3	0	— 1	1	6	5	5	2	2	155
	19	— 12	— 14	— 17	— 10	— 7	— 3	6	3	1	3	1	1	139
	20	3	9	10	5	1	0	— 3	— 3	0	1	1	2	97
	21	— 6	— 16	— 16	— 12	— 7	— 1	2	11	5	4	3	— 3	122
	22	— 18	— 11	— 1	— 10	— 7	— 6	— 4	9	— 2	11	19	20	173
	23	— 1	— 10	— 12	— 12	— 9	4	— 2	— 5	— 5	— 2	— 4	— 5	144
	24	— 1	15	12	7	— 1	1	2	— 4	— 4	3	— 1	0	99
	25	— 1	— 2	1	— 1	5	10	1	1	— 2	— 4	— 4	— 3	79
	26	3	1	11	16	7	— 3	— 2	— 7	— 7	0	— 1	2	97
	27	4	12	9	8	— 4	— 5	— 2	1	4	2	4	— 3	157
	28	13	13	12	4	3	— 3	— 3	— 2	— 1	1	— 2	2	111
	29	— 9	5	6	8	5	— 2	— 4	— 9	— 9	— 11	— 9	— 10	179
	30	9	0	34	24	— 3	— 5	6	3	8	— 3	— 8	— 3	260

Hourly Amount.	162	190	213	205	144	118	93	117	92	109	153	128	3779
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EASTERLY DECLINATION. D.

DEVIATIONS. - UNITY = 0.1.

Mean Batavia Time.	1 A.M.	2	3	4	5	6	7	8	9	10	11	12	—	
JULY.	1	1	1	5	2	3	20	— 2	— 2	— 2	— 2	4	5	—
	2	6	1	4	4	8	4	2	1	6	5	1	— 6	—
	3	— 1	1	8	2	2	1	5	0	5	4	6	3	—
	4	— 1	— 7	0	0	7	7	5	— 1	— 2	2	3	8	—
	5	3	1	— 1	1	— 1	— 3	4	5	9	3	0	— 4	—
	6	1	1	— 1	0	0	— 1	0	0	2	5	7	10	—
	7	2	2	— 4	— 2	— 3	— 2	— 2	0	— 2	1	2	1	—
	8	2	3	6	4	0	— 1	0	2	1	— 1	— 7	— 6	—
	9	3	4	4	2	1	— 1	— 3	6	9	— 3	— 3	— 5	—
	10	3	3	7	2	4	0	— 3	2	8	5	3	0	—
	11	— 1	4	3	2	1	0	0	2	3	3	— 3	— 5	—
	12	0	1	4	5	3	2	8	— 1	2	3	9	8	—
	13	3	5	4	3	2	0	1	5	1	1	— 4	— 4	—
	14	5	6	5	3	3	0	— 2	5	3	2	— 4	— 10	—
	15	— 6	— 7	3	— 4	— 5	— 8	— 6	0	8	11	11	10	—
	16	— 3	0	— 7	— 9	— 2	— 3	— 1	4	5	2	4	1	—
	17	— 4	— 5	— 2	1	— 1	2	— 2	— 8	— 5	— 3	2	2	—
	18	4	4	1	0	2	— 3	3	3	0	— 2	— 7	— 9	—
	19	— 5	— 2	— 7	— 2	— 5	— 4	— 6	5	4	5	4	— 3	—
	20	— 4	— 5	— 19	— 11	— 8	— 3	— 1	2	3	— 1	3	— 2	—
	21	3	— 2	1	5	— 1	— 2	2	— 7	— 10	— 6	— 10	— 4	—
	22	— 5	— 1	2	— 4	— 3	0	— 2	0	— 2	— 4	0	— 1	—
	23	— 8	— 6	— 7	— 4	— 6	— 6	— 4	— 3	— 2	5	— 1	0	—
	24	— 4	— 3	— 3	1	0	— 2	1	5	1	— 5	— 3	3	—
	25	2	— 1	— 1	— 2	— 5	— 1	— 13	— 11	— 10	— 10	1	8	—
	26	2	— 3	2	3	— 1	1	— 1	— 6	— 8	— 4	— 2	— 3	—
	27	0	— 1	1	— 4	— 3	— 3	— 2	— 1	— 5	— 9	8	— 2	—
	28	— 4	— 6	— 16	— 3	7	4	12	— 3	— 6	— 5	— 7	8	—
	29	— 1	3	2	1	5	3	3	1	— 7	— 5	— 3	2	—
	30	5	2	2	1	1	1	— 1	— 4	4	1	1	1	—
	31	2	3	2	4	— 4	1	2	— 2	— 6	— 3	— 2	— 4	—
Hourly Amount.	94	94	134	91	97	89	99	97	141	121	125	138	—	
Mean Batavia Time.	1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily Amount	
JULY.	1	7	1	— 6	— 6	— 3	— 9	— 4	— 5	— 4	— 3	2	1	100
	2	— 12	— 5	3	— 3	— 6	— 6	— 2	1	— 1	0	0	— 2	89
	3	— 2	— 4	— 1	— 1	0	— 4	— 5	— 5	— 2	— 2	— 3	— 3	70
	4	7	3	— 2	— 4	— 2	— 1	— 3	— 2	— 4	— 3	— 2	— 3	79
	5	— 1	2	— 1	1	0	— 6	— 2	— 4	— 3	— 2	— 3	0	60
	6	7	0	— 3	— 4	— 4	— 2	— 8	— 3	— 4	— 1	— 1	4	69
	7	6	10	4	— 2	— 1	— 4	— 4	— 1	— 3	— 2	0	3	63
	8	— 3	— 3	— 3	— 1	0	— 3	— 1	— 1	0	1	2	1	52
	9	— 5	— 5	— 2	— 4	— 2	— 5	— 3	— 2	0	0	2	4	78
	10	— 1	— 7	— 6	— 1	— 3	0	— 4	— 4	— 3	— 3	— 1	1	74
	11	— 2	1	1	— 3	— 2	— 5	— 3	— 3	— 2	— 1	— 1	— 1	52
	12	5	— 6	— 4	— 3	— 4	— 6	— 5	— 7	— 4	— 3	0	0	93
	13	— 1	— 7	— 1	— 1	1	— 3	— 1	1	2	3	4	3	61
	14	— 17	— 16	— 2	1	2	1	5	6	4	3	— 5	— 1	111
	15	9	3	— 3	0	0	1	4	3	— 5	— 3	— 3	— 4	117
	16	3	9	2	2	— 3	3	— 4	2	— 2	— 1	0	— 2	74
	17	0	2	1	9	2	— 4	— 2	2	— 1	0	0	4	64
	18	— 7	1	— 1	— 1	1	5	6	5	2	2	2	— 2	73
	19	— 3	0	0	4	1	15	7	0	10	— 1	0	— 4	97
	20	4	10	12	6	— 5	— 3	— 3	0	5	2	1	0	113
	21	— 4	— 1	4	2	6	6	7	7	8	1	— 6	— 2	107
	22	0	1	3	6	3	4	9	6	3	1	— 3	— 3	66
	23	6	10	7	6	11	6	2	— 1	— 3	— 2	— 3	— 3	112
	24	— 7	— 3	1	— 5	— 4	3	4	3	4	4	4	4	77
	25	13	7	8	8	4	3	1	— 1	0	1	1	0	112
	26	— 2	2	1	2	4	1	2	2	2	3	4	2	63
	27	2	1	13	11	7	6	8	2	2	3	2	— 1	97
	28	— 3	— 2	— 9	— 8	— 5	2	2	2	3	4	3	3	127
	29	1	— 6	— 9	— 9	0	2	1	2	— 1	— 1	1	4	73
	30	6	4	— 3	— 2	1	3	1	— 4	— 2	1	0	— 1	52
	31	— 1	— 4	— 1	1	1	— 1	— 2	— 2	— 2	1	2	2	55
Hourly Amount.	147	136	117	117	88	123	115	89	91	58	61	68	2530	

HORIZONTAL FORCE. D.
DEVIATIONS. — UNITY = 0.00001 C. G. S.

Mean Batavia Time.	1 A.M.	2	3	4	5	6	7	8	9	10	11	12	—	
JULY.	1	15	13	16	15	15	1	19	9	10	0	4	—14	—
	2	4	9	2	3	0	4	4	1	—3	—3	3	—1	—
	3	—2	—4	—3	—6	4	6	11	13	5	5	—11	—15	—
	4	—2	13	2	—4	—8	—6	—4	—5	2	—2	1	3	—
	5	1	—6	—5	—5	—3	—5	—7	—3	2	5	5	6	—
	6	—3	—4	—4	—6	—6	—2	—6	5	8	8	5	1	—
	7	—4	—6	—2	—4	—5	—3	—4	1	5	8	5	—1	—
	8	4	0	—6	—11	—5	—10	—13	—10	—1	—3	0	5	—
	9	—1	—7	—7	—7	—7	—7	—9	—11	—8	—7	—1	11	—
	10	—8	—11	1	3	2	—3	—5	—7	—10	4	7	7	—
	11	3	—1	—2	—1	0	0	4	3	0	—6	—8	—5	—
	12	—3	16	—4	—9	—4	2	3	14	—4	—5	3	6	—
	13	1	—5	—6	—3	—4	0	2	—2	2	1	2	—3	—
	14	—1	—5	—7	—5	—7	—5	—6	—11	—12	—7	1	12	—
	15	—16	—24	—20	3	—8	—4	—3	0	—8	—9	—10	2	—
	16	1	—4	—1	0	4	12	15	5	5	2	—4	—9	—
	17	—6	2	8	5	5	5	4	5	3	11	0	—6	—
	18	3	2	2	2	—4	—8	—6	—5	—11	—6	—1	0	—
	19	0	2	6	12	20	16	—5	0	—5	—6	2	4	—
	20	2	10	14	43	17	13	3	—4	—7	0	—15	2	—
	21	9	7	1	—3	0	0	—2	8	4	—2	3	1	—
	22	—4	0	—4	—1	1	—3	2	1	5	3	1	—4	—
	23	10	6	2	9	14	18	8	7	6	9	3	—5	—
	24	9	5	2	—6	2	2	—2	—5	3	8	10	9	—
	25	—3	—5	—1	—4	—3	—8	—2	—1	1	5	8	9	—
	26	1	—1	—9	—10	—6	—5	—6	—1	—4	4	5	5	—
	27	1	—2	—5	—6	—3	—2	—5	—3	0	5	11	19	—
	28	—7	—1	38	4	—12	—2	15	1	—2	—24	—21	—65	—
	29	4	1	—2	—4	—1	—2	—4	—4	0	—4	7	12	—
	30	—3	6	3	—1	0	0	4	4	12	5	0	—1	—
	31	0	—4	—6	—5	—1	0	—6	—1	1	7	—8	7	—

Hourly Amount.	131	182	191	200	171	154	189	150	149	174	165	250	—
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Mean Batavia Time.	1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily Amount	
JULY.	1	—23	—25	— 6	— 3	— 9	8	6	7	1	4	— 7	— 1	231
	2	4	5	—20	— 3	— 1	2	2	— 2	— 8	— 6	12	— 1	103
	3	—11	—15	—11	— 3	2	5	3	3	— 5	4	1	0	148
	4	6	11	9	— 3	— 6	— 3	— 6	4	4	— 4	5	10	123
	5	2	— 2	0	— 4	— 9	— 3	4	2	0	— 1	0	2	82
	6	4	5	4	4	3	— 2	3	— 3	— 1	2	— 1	— 1	91
	7	3	— 3	— 4	1	— 1	1	2	3	4	3	3	2	78
	8	8	18	16	5	— 7	— 4	0	0	0	— 2	1	6	135
	9	15	23	22	17	9	5	1	—1	4	8	6	—10	204
	10	2	— 3	2	— 9	— 6	— 7	3	— 2	2	3	5	2	114
	11	5	12	7	2	— 3	1	2	— 4	— 9	— 8	— 7	— 1	94
	12	1	0	6	— 2	— 2	0	5	2	0	— 5	— 3	3	102
	13	— 2	2	4	4	0	2	3	2	1	— 1	— 3	— 3	58
	14	17	21	16	13	18	24	4	18	8	— 8	—18	—23	267
	15	5	6	14	20	21	— 3	—14	— 8	— 1	3	— 2	6	210
	16	— 7	—17	— 8	— 5	— 1	— 8	4	—11	2	3	3	9	140
	17	—12	—13	— 8	— 7	—11	2	2	2	9	4	— 2	3	135
	18	10	11	11	— 1	— 3	1	— 1	— 2	— 2	— 5	— 3	1	101
	19	— 4	2	— 8	1	8	—30	— 5	— 4	—35	— 8	— 1	1	185
	20	— 4	—20	—21	—16	4	6	7	— 3	2	5	4	11	233
	21	— 1	4	— 2	3	— 2	9	— 2	0	— 1	—10	—10	—15	99
	22	6	— 9	— 9	3	6	— 1	—12	— 8	— 8	— 6	3	4	104
	23	—23	—32	—24	—26	—22	—11	— 2	4	12	12	14	14	293
	24	7	9	1	4	— 1	— 4	— 5	— 5	— 5	— 1	0	— 2	107
	25	1	1	— 1	— 2	— 6	— 1	3	3	2	5	1	2	78
	26	0	3	3	0	1	3	3	0	1	— 1	2	1	75
	27	22	20	8	12	6	11	5	7	12	5	— 2	—14	186
	28	—23	—21	—10	—10	10	1	— 6	1	5	4	1	— 6	290
	29	6	11	5	8	2	1	0	— 3	— 1	— 3	0	— 3	88
	30	— 7	— 9	0	0	1	— 4	— 3	— 4	0	— 2	— 4	0	73
	31	0	4	1	2	— 5	— 7	— 5	— 2	— 2	— 1	1	— 1	77

Hourly Amount.	241	337	261	193	186	170	123	120	147	137	125	158	1304
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VERTICAL FORCE. D.

DEVIATIONS. — UNITY = 0.00001 C. G. S.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
JULY.	1	—19	—17	—13	—10	—3	3	—3	12	8	8	—7	—9	—
	2	—6	—12	—6	—6	—3	—7	—3	9	12	17	8	7	—
	3	2	3	0	3	—4	—3	—4	—14	—12	—16	—5	11	—
	4	0	—5	—2	0	1	—2	—3	—7	—7	—8	—1	4	—
	5	—3	3	0	—3	—4	—5	—9	2	3	2	4	—2	—
	6	6	4	4	4	2	—2	—1	—12	—12	—7	—6	2	—
	7	3	4	2	2	1	1	—1	—7	—13	—14	—13	—3	—
	8	1	3	7	10	6	7	5	—1	—7	—3	—1	—2	—
	9	0	3	3	2	2	1	—1	4	—1	6	1	—4	—
	10	2	2*	—1	—8	—2	1	0	—2	—2	—2	5	1	—
	11	1	6	9	8	8	11	13	—5	—8	—2	—2	2	—
	12	5	—4	10	16	15	10	13	—20	—6	—13	—8	—10	—
	13	—3	1	4	2	3	3	2	6	5	—2	—5	—6	—
	14	—1	2	5	3	2	5	6	11	14	12	10	3	—
	15	15	16	7	—9	1	—1	2	—10	—12	—6	0	—4	—
	16	—8	—4	—8	—12	—14	—22	—27	7	3	13	16	15	—
	17	6	2	—3	2	3	2	3	—2	—6	—7	5	0	—
	18	4	3	2	3	9	11	8	1	10	5	3	1	—
	19	3	1	1	—6*	—10	—4	7	—8	—6	3	9	1	—
	20	—1	—7	—9	—25	—15	—11	—8	5	0	2	5	—1	—
	21	—5	—4	7	6	3	1	1	—2	4	4	0	—2	—
	22	9	5	2	2	0	0	—9	—10	—8	—6	0	4	—
	23	—1	2	3	—2	—4	—7	0	—5	—5	—4	—7	—2	—
	24	—5	—5	—4	—1	—10	—10	—7	—1	—2	6	4	6	—
	25	5	8	9	11	10	12	11	5	1	—4	—16	—21	—
	26	4	6	9	9	8	7	7	—5	—4	—17	—13	—8	—
	27	—3	—2	—1	0	—2	—6	—6	12	12	7	1	—12	—
	28	0	—6	—29	—6	4	1	—10	21	27	31	16	38	—
	29	—5	0	4	6	4	6	9	7	4	—2	—14	—19	—
	30	0	—5	0	0	3	2	1	2	—9	—1	1	—3	—
	31	—6	—4	—3	—4	—9	—9	—3	13	11	—5	4	10	—
Hourly Amount.		132	149	167	181	165	173	183	226	234	235	190	213	—
Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily Amount.
JULY.	1	—7	—2	—7	—5	1	—8	—3	—3	0	—2	4	—4	158
	2	—2	—3	10	3	—2	—3	0	2	7	—7	—2	4	141
	3	15	22	9	1	—5	—8	—3	0	1	—4	—1	1	147
	4	5	—2	—1	6	6	5	6	2	0	2	—2	—6	83
	5	4	—3	—5	2	5	2	—2	1	3	3	3	2	75
	6	7	12	11	9	2	1	—4	—2	—1	—2	0	2	115
	7	3	14	13	4	0	0	—2	—2	—5	—4	—2	—3	116
	8	—7	—7	—4	2	6	4	—1	—3	—4	—3	—4	—5	103
	9	—14	—16	—4	1	6	4	3	1	—6	—7	—8	5	103
	10	4	7	0	5	4	5	—2	—1	—4	—5	—5	—2	70
	11	—2	—12	—6	—3	3	—1	—2	—2	2	4	2	1	115
	12	2	3	—5	3	2	—2	—4	—5	—5	—3	—6	—9	179
	13	—6	—4	—9	—4	2	3	2	2	1	2	1	—1	79
	14	—7	—26	—23	—20	—15	—12	2	—6	1	9	19	20	234
	15	4	5	—4	—10	—8	7	12	7	3	—4	—3	—8	158
	16	13	19	10	3	0	0	—4	6	—3	—2	—1	—3	213
	17	2	—3	—4	—2	5	—1	0	2	—3	0	4	1	68
	18	—13	—14	—15	—9	—1	—3	0	2	7	8	4	3	139
	19	—5	—9	—2	—4	—5	16	3	0	22	4	—4	—2	135
	20	5	20	18	15	1	—3	—5	2	—2	—3	—3	—7	173
	21	—7	—13	—6	—6	—1	—10	0	0	8	8	11	13	114
	22	4	7	0	—9	—8	0	8	0	5	4	1	2	103
	23	6	6	10	16	9	0	—1	—3	—5	—5	—5	—8	116
	24	6	5	9	6	0	—1	—2	—3	—5	—3	—5	0	106
	25	—13	—6	3	0	4	—1	—7	—6	—8	—4	—2	—1	168
	26	0	3	8	6	1	0	0	—2	—3	—4	—5	—7	136
	27	—10	—16	—10	—8	3	2	2	—1	—3	—2	0	9	130
	28	13	8	—4	—14	—24	—11	—4	—1	—3	—3	—1	2	277
	29	—9	—6	2	—1	—3	0	1	2	2	1	—1	0	108
	30	—7	—4	0	4	2	4	5	6	—3	—2	—1	—5	70
	31	15	7	8	7	8	10	3	3	5	3	4	3	157
Hourly Amount.		217	284	220	188	142	127	93	78	122	117	114	139	4089

EASTERLY DECLINATION. D.

DEVIATIONS. — UNITY = 0.1.

Mean Batavia Time.	1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—	
AUGUST.	1	5	8	7	10	6	3	0	— 2	— 3	0	— 1	— 3	—
	2	— 2	4	2	1	2	0	— 2	2	— 3	0	9	7	—
	3	— 3	4	3	2	1	0	3	6	2	0	0	4	—
	4	— 1	3	1	2	0	0	— 1	— 3	— 6	0	2	7	—
	5	— 4	3	2	3	3	4	12	14	8	6	— 1	— 3	—
	6	— 3	3	2	1	— 1	— 3	2	7	1	5	— 3	— 6	—
	7	— 2	2	5	5	5	8	10	7	3	2	5	3	—
	8	— 1	7	5	3	6	0	— 3	— 2	— 3	— 2	3	9	—
	9	4	3	4	4	5	1	1	1	2	3	0	— 4	—
	10	1	1	2	4	3	3	— 2	— 7	— 4	— 4	0	0	—
	11	— 1	— 3	— 3	4	2	1	3	3	9	4	1	— 7	—
	12	— 1	— 2	— 2	— 3	— 4	— 9	0	— 10	5	7	3	6	—
	13	0	— 14	— 4	— 3	— 5	— 7	1	3	3	— 3	— 4	— 8	—
	14	— 1	— 3	— 5	— 6	— 5	— 2	— 2	— 3	— 5	3	5	8	—
	15	— 4	— 6	— 1	— 3	— 5	— 8	— 9	— 4	— 7	0	5	11	—
	16	— 5	— 4	— 5	— 6	— 5	— 1	3	3	2	— 1	4	4	—
	17	— 2	— 3	— 4	— 7	— 4	— 1	2	— 1	4	4	— 1	— 1	—
	18	— 5	— 3	— 4	— 5	— 4	— 2	1	1	6	4	1	4	—
	19	— 2	— 6	— 3	— 6	— 2	2	— 2	0	1	1	— 1	1	—
	20	— 4	— 5	— 5	— 2	— 1	1	2	2	3	— 2	— 2	5	—
	21	2	— 1	— 2	— 3	— 4	2	4	4	0	— 2	— 5	— 8	—
	22	— 2	— 3	— 4	— 3	— 1	0	2	— 2	— 4	— 5	— 1	— 2	—
	23	3	5	1	— 1	— 2	— 1	0	3	0	— 2	— 4	— 5	—
	24	— 2	— 1	2	4	0	1	— 2	— 1	7	2	2	6	—
	25	4	7	10	2	2	0	— 2	— 4	— 8	— 2	— 2	— 3	—
	26	— 1	— 3	— 2	0	1	1	2	— 2	— 6	— 7	— 1	6	—
	27	2	1	0	1	4	— 1	— 9	— 6	— 4	— 4	— 4	— 3	—
	28	4	1	1	2	2	3	— 5	— 6	— 7	— 5	— 2	— 1	—
	29	2	— 1	— 2	0	2	5	2	— 1	— 3	— 1	— 3	— 7	—
	30	5	2	0	2	3	0	— 8	— 6	— 8	— 11	— 5	— 2	—
	31	3	1	3	0	1	3	0	5	11	5	— 5	— 22	—
Hourly Amount.	81	113	96	98	91	73	97	121	138	97	85	166	—	
Mean Batavia Time.	1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily Amount.	
AUGUST.	1	— 8	— 3	— 2	— 5	— 3	— 6	— 2	— 2	6	2	1	1	89
	2	— 3	— 5	— 1	— 4	— 2	— 7	— 7	— 5	— 4	— 2	— 2	— 3	79
	3	1	— 3	— 2	— 2	— 2	— 1	— 5	— 2	— 1	— 1	— 1	0	49
	4	5	— 5	— 2	— 4	0	0	— 6	— 3	— 4	— 3	— 3	— 1	62
	5	— 5	— 3	— 5	— 8	— 8	— 5	— 3	— 1	— 2	1	1	3	108
	6	— 1	— 4	— 9	— 1	2	— 3	— 5	— 4	— 1	— 4	— 1	0	72
	7	0	— 4	— 9	— 9	— 10	— 7	— 5	— 3	— 2	— 1	1	— 4	112
	8	15	10	— 3	— 7	— 6	— 4	— 6	— 4	— 3	— 1	— 2	— 1	106
	9	— 6	— 4	— 1	— 2	— 2	— 3	— 1	— 1	0	1	3	3	59
	10	4	— 1	— 5	— 4	2	— 1	1	0	0	— 1	— 1	0	51
	11	— 5	— 3	— 1	— 1	— 1	1	7	7	1	2	0	0	70
	12	— 2	— 12	— 5	2	8	14	20	9	— 1	3	— 7	0	135
	13	— 2	2	1	4	2	4	— 1	3	2	— 2	0	0	78
	14	3	5	16	12	2	6	— 4	— 1	— 2	— 2	— 1	— 10	112
	15	14	5	12	6	— 3	2	3	— 2	— 3	— 2	— 3	— 5	123
	16	4	5	1	0	3	4	5	— 1	0	— 1	— 10	— 2	79
	17	— 2	4	— 3	4	6	11	2	3	0	— 1	— 2	— 9	81
	18	— 6	— 5	— 5	8	8	5	2	5	— 1	— 1	— 2	0	88
	19	2	— 4	4	9	5	— 6	— 3	2	— 2	— 1	— 1	— 2	68
	20	2	3	5	0	1	1	1	— 2	— 2	— 1	0	0	52
	21	— 2	— 2	— 1	— 2	2	6	9	6	4	0	1	0	72
	22	— 3	0	6	5	6	— 1	0	— 1	2	1	3	2	59
	23	— 5	— 9	— 3	— 2	0	2	2	1	0	— 1	— 1	— 1	51
	24	2	9	3	— 3	— 2	— 7	— 8	— 7	— 4	— 2	1	4	82
	25	— 2	— 1	— 1	1	— 1	— 3	1	— 1	2	1	2	2	61
	26	12	6	2	2	1	— 2	— 4	— 2	0	0	1	2	66
	27	— 1	— 1	2	4	1	— 1	1	2	3	5	4	5	69
	28	— 2	— 6	— 8	— 2	2	3	2	3	3	3	5	1	82
	29	0	0	3	1	— 3	— 3	— 1	0	2	3	5	5	55
	30	5	2	3	4	1	— 1	6	— 1	2	1	2	1	75
	31	— 17	2	2	— 5	— 6	— 1	1	2	5	5	6	5	116
Hourly Amount.	141	128	126	123	101	121	118	86	64	55	73	75	2467	

HORIZONTAL FORCE. D.
DEVIATIONS. — UNITY = 0.00001 C. G. S.

Mean Batavia Time.	1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—	
AUGUST.	1	8	12	9	8	14	16	17	— 5	— 9	—12	— 8	0	—
	2	— 1	—11	—15	—11	—16	—13	—10	1	1	— 1	1	9	—
	3	0	— 3	— 4	— 6	— 4	— 6	—10	— 6	— 2	3	10	14	—
	4	— 5	— 7	—10	— 6	— 6	— 7	— 7	— 8	0	3	7	9	—
	5	— 4	— 6	— 8	— 9	—11	— 5	— 5	— 7	— 7	0	10	10	—
	6	— 4	— 5	— 8	— 8	— 4	0	— 6	— 9	— 5	— 2	1	7	—
	7	— 2	1	— 6	— 8	— 6	— 7	— 3	— 2	— 2	1	5	18	—
	8	6	—13	— 5	0	11	— 6	— 8	— 1	— 3	2	1	— 1	—
	9	— 2	— 1	— 5	— 9	— 4	— 2	— 1	— 5	0	4	5	1	—
	10	0	— 2	— 1	— 2	— 5	— 4	— 1	1	3	3	2	1	—
	11	3	5	4	2	3	3	3	5	— 3	— 5	— 4	— 7	—
	12	8	9	0	— 2	11	9	1	3	3	—10	—11	—22	—
	13	— 3	35	19	18	17	15	7	11	3	— 8	—10	—10	—
	14	2	8	7	11	5	8	8	12	2	—13	—15	—13	—
	15	0	— 4	2	4	2	8	6	6	6	— 5	— 7	3	—
	16	0	5	— 1	— 2	0	2	0	— 1	4	5	— 9	— 1	—
	17	— 6	— 8	7	8	2	2	0	— 3	— 9	10	— 6	— 7	—
	18	3	— 3	6	6	3	7	— 3	4	— 4	7	— 7	— 1	—
	19	3	3	18	1	2	1	2	6	6	— 9	— 1	0	—
	20	— 3	1	0	— 5	— 4	— 3	1	7	5	6	0	— 2	—
	21	— 3	— 1	— 6	4	— 3	— 6	— 5	0	6	7	3	3	—
	22	0	— 3	— 3	2	— 1	3	— 6	— 4	6	11	7	4	—
	23	— 3	— 4	— 1	— 6	— 6	—13	—16	— 9	— 1	1	7	11	—
	24	11	5	7	27	27	31	41	— 2	—29	—21	2	—57	—
	25	— 4	— 5	2	— 1	— 4	— 7	— 6	— 2	5	— 9	5	12	—
	26	0	0	— 1	— 3	— 1	— 1	2	— 1	0	— 2	6	13	—
	27	— 2	1	3	— 1	— 4	— 1	1	0	0	4	3	4	—
	28	2	1	0	0	— 3	0	3	9	11	11	3	— 5	—
	29	1	— 3	— 2	— 3	— 4	— 6	1	0	4	5	3	7	—
	30	— 3	— 1	— 2	— 3	— 5	— 7	— 4	1	6	7	4	3	—
	31	— 6	— 9	— 7	— 8	— 6	— 6	— 1	3	7	3	2	1	—

Hourly Amount.	98	175	169	184	194	205	185	134	152	190	165	256	—
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Mean Batavia Time.	1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily Amount.
AUGUST.	1	0	— 1	— 5	— 8	0	5	6	7	6	— 1	— 4	163
	2	9	3	1	— 1	1	— 2	7	6	4	6	3	139
	3	10	8	7	5	7	6	9	1	— 7	— 5	— 2	135
	4	9	2	— 3	3	6	8	8	4	1	3	— 4	130
	5	7	8	4	10	9	8	6	1	— 1	— 1	— 5	146
	6	— 4	11	12	10	0	6	12	— 4	—22	— 3	— 6	151
	7	5	11	10	5	3	6	— 2	7	6	— 3	11	136
	8	— 6	—17	— 5	— 3	2	3	5	2	0	— 5	— 2	107
	9	— 2	0	2	2	3	5	2	2	1	— 1	0	60
	10	0	— 1	— 1	— 3	1	5	— 2	— 4	0	5	3	50
	11	— 3	3	7	9	13	16	— 5	—18	6	— 5	— 3	140
	12	—15	6	28	26	—14	—42	—50	—32	—14	—38	—11	368
	13	— 1	— 4	— 1	1	— 3	3	9	5	0	5	2	193
	14	6	9	—28	—27	—18	—16	—13	10	12	14	8	286
	15	0	— 8	—15	—19	3	— 8	5	11	9	— 8	3	147
	16	7	5	— 7	8	11	4	7	6	— 8	—11	1	118
	17	7	11	2	— 9	— 8	—26	— 9	6	3	9	10	182
	18	—10	0	3	— 7	—13	— 6	5	—13	1	6	3	126
	19	— 2	— 3	2	—10	—14	4	— 2	— 6	0	5	0	106
	20	— 1	6	1	0	— 3	6	— 3	9	2	8	— 1	86
	21	— 1	— 6	3	12	9	— 1	—14	—16	—18	— 2	— 4	135
	22	2	2	— 2	0	5	1	1	1	1	— 4	— 5	75
	23	8	9	7	5	— 2	— 6	— 9	— 5	3	6	9	158
	24	—26	—36	—13	— 7	— 2	2	4	6	7	6	2	377
	25	10	5	8	8	11	9	0	— 3	— 7	— 3	— 5	135
	26	5	— 8	— 5	1	— 2	5	5	0	2	—12	— 4	81
	27	— 5	—11	— 6	— 5	— 6	— 7	3	4	2	1	— 3	78
	28	— 6	— 3	— 5	— 3	0	0	— 2	0	0	5	1	74
	29	1	1	0	2	— 1	— 4	0	2	3	4	0	57
	30	— 7	2	0	— 1	— 2	2	2	3	3	— 1	— 3	76
	31	— 2	1	— 1	— 4	4	10	11	8	2	— 6	— 8	116

Hourly Amount.	177	201	194	214	176	232	218	202	151	187	115	157	4331
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VERTICAL FORCE. D.

DEVIATIONS. — UNITY = 0.00001 C. G. S.

Mean Batavia Time.	1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—	
AUGUST.	1	— 8	— 9	— 6	— 3	— 5	— 2	4	8	3	— 3	— 9	— 5	—
	2	— 1	7	8	6	8	7	9	6	9	3	—16	—20	—
	3	— 2	— 4	— 3	— 4	— 5	— 4	— 2	1	8	6	— 2	— 3	—
	4	7	9	10	6	6	10	5	3	—13	—22	—21	—14	—
	5	1	— 1	0	0	— 2	— 8	—13	1	6	5	— 1	— 1	—
	6	4	5	8	9	7	5	6	1	— 7	— 7	— 7	— 9	—
	7	0	0	3	4	0	1	— 6	— 4	0	— 3	— 9	—16	—
	8	— 4	10	6	2	— 3	7	8	2	— 3	— 7	—15	—15	—
	9	— 1	2	6	7	5	4	2	4	— 2	—10	— 5	— 2	—
	10	3	4	6	7	8	9	9	— 1	—15	—20	—14	— 9	—
	11	0	— 2	1	2	3	1	— 5	—13	— 8	— 2	8	10	—
	12	— 9	— 8	— 2	0	— 8	— 5	— 1	— 4	— 7	5	7	18	—
	13	— 5	—23	—15	—10	— 6	0	2	— 5	2	12	10	5	—
	14	0	— 8	—10	— 9	— 4	—10	—13	— 2	1	8	9	11	—
	15	5	6	2	— 4	1	— 2	— 2	—10	—14	— 7	1	— 4	—
	16	— 4	— 9	— 7	— 8	—10	—14	—13	1	1	6	16	14	—
	17	4	5	— 7	— 6	— 4	— 4	— 2	1	7	— 6	6	5	—
	18	1	4	— 2	— 3	— 3	— 5	— 1	— 7	5	— 1	4	1	—
	19	2	2	— 6	6	3	3	4	— 5	— 6	5	3	— 5	—
	20	3	— 1	— 3	0	— 1	— 4	— 8	— 9	— 6	— 3	4	3	—
	21	1	2	5	— 6	0	— 2	— 3	1	2	— 1	5	2	—
	22	3	4	5	0	0	— 2	— 1	— 5	— 3	— 7	— 6	— 1	—
	23	5	5	2	3	3	3	5	0	— 4	— 5	— 6	— 6	—
	24	— 4	0	— 2	—13	—13	—20	—23	4	19	18	5	25	—
	25	— 1	1	— 2	— 2	2	4	10	8	7	13	4	— 2	—
	26	— 2	— 2	— 3	— 2	— 4	— 4	— 7	9	10	7	— 7	— 7	—
	27	1	3	3	8	10	12	14	4	— 3	— 8	— 5	—10	—
	28	1	1	2	3	4	4	9	11	8	4	3	— 4	—
	29	— 1	0	0	1	2	1	0	1	— 3	— 2	9	2	—
	30	— 1	— 1	3	3	5	8	8	5	10	16	8	— 1	—
	31	3	3	2	0	1	2	0	— 6	— 2	8	21	34	—

Hourly Amount.	87	141	140	137	136	167	195	142	194	230	246	264	—
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Mean Batavia Time.	1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily Amount.
AUGUST.	1	0	— 4	— 6	— 5	—10	— 8	— 1	0	0	5	5	109
	2	—14	—10	3	7	2	1	— 4	— 3	— 3	— 3	— 3	155
	3	— 4	2	3	4	1	— 2	— 3	— 1	4	2	5	77
	4	— 4	5	11	6	— 4	— 6	— 1	— 2	0	— 4	— 1	174
	5	— 1	6	8	8	2	0	— 2	— 3	0	1	3	77
	6	4	1	— 1	— 9	— 2	— 2	— 7	1	11	— 2	— 6	124
	7	2	11	8	13	6	— 1	0	— 6	— 7	— 5	1	111
	8	— 3	11	11	8	3	0	— 4	— 2	— 2	0	— 1	129
	9	— 3	— 6	— 1	0	— 1	— 3	0	0	— 2	— 1	1	71
	10	— 1	12	12	4	— 2	— 5	2	4	— 1	— 4	— 3	159
	11	2	— 7	— 3	— 2	— 3	— 9	2	8	2	0	— 5	98
	12	17	0	—11	— 8	17	27	27	11	8	18	— 3	236
	13	— 9	— 7	— 7	— 8	— 4	— 2	— 4	— 2	1	1	— 2	144
	14	3	— 2	18	17	15	8	5	— 9	— 8	— 6	— 1	184
	15	2	11	12	11	0	2	— 4	— 6	— 7	5	0	122
	16	6	9	12	— 2	— 6	— 2	— 3	— 1	5	9	1	168
	17	— 4	— 7	— 4	— 3	— 1	11	0	— 5	— 1	— 4	— 3	105
	18	7	2	0	2	5	1	— 3	6	— 1	— 3	0	74
	19	0	— 6	— 7	4	8	— 5	— 1	6	2	— 3	3	100
	20	3	4	3	4	3	— 1	0	— 2	— 2	— 6	2	79
	21	2	1	— 5	— 9	— 8	— 1	5	6	6	0	— 4	79
	22	1	1	1	0	— 2	1	0	— 1	— 2	— 1	1	49
	23	— 1	2	0	0	1	6	5	3	— 4	— 6	— 7	89
	24	11	11	8	5	1	— 3	— 3	— 4	— 3	— 5	— 6	210
	25	— 8	—11	—16	—15	— 9	— 4	0	3	3	— 1	— 1	128
	26	0	9	6	2	6	0	— 3	— 2	— 1	7	0	103
	27	— 7	— 7	— 9	—10	— 3	1	— 4	— 5	— 4	— 5	— 1	138
	28	— 7	— 7	— 8	— 7	— 5	0	2	2	2	— 1	1	97
	29	1	— 6	—12	— 8	0	6	2	1	0	— 3	— 2	64
	30	—11	—19	—22	—17	— 4	— 3	0	— 2	— 1	4	4	162
	31	20	— 1	2	8	— 3	— 4	0	6	10	14	22	197

Hourly Amount.	158	198	230	206	137	125	97	113	103	123	94	149	3812
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EASTERLY DECLINATION. D.

DEVIATIONS. — UNITY = 0.1.

Mean Batavia Time.	1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—	
SEPTEMBER.	1	2	4	4	1	4	3	10	9	4	0	— 4	—13	—
	2	8	4	3	2	2	— 2	6	10	4	— 1	— 6	—15	—
	3	5	3	2	3	3	— 1	6	5	4	— 1	— 4	— 9	—
	4	4	3	2	1	3	0	8	9	9	— 2	— 4	— 8	—
	5	4	2	0	— 1	0	1	3	3	0	— 6	— 6	— 2	—
	6	3	2	1	4	1	— 3	4	4	9	3	— 1	—11	—
	7	0	2	1	0	0	4	12	6	3	— 2	— 4	— 5	—
	8	— 9	0	— 2	3	— 1	5	12	6	6	5	— 2	0	—
	9	— 2	— 1	— 6	— 3	— 1	— 5	— 2	6	8	2	1	4	—
	10	—13	— 8	—11	— 7	—12	— 8	—10	7	11	14	15	9	—
	11	—14	—14	— 1	— 3	— 7	5	— 9	1	7	9	6	— 6	—
	12	— 2	— 1	— 2	4	1	6	2	— 2	— 3	0	0	— 1	—
	13	—14	— 8	— 1	— 1	5	5	— 1	— 2	— 1	2	9	11	—
	14	— 1	— 6	— 5	— 4	6	8	10	— 1	2	6	4	8	—
	15	1	1	0	1	2	5	2	— 2	— 6	— 5	— 2	3	—
	16	2	3	1	2	6	6	— 2	— 3	— 2	— 1	0	— 3	—
	17	— 2	— 6	1	1	2	5	2	— 1	— 7	— 3	0	3	—
	18	6	4	4	1	3	3	4	8	4	— 1	—10	—13	—
	19	4	3	2	0	2	0	2	6	8	— 5	—13	—13	—
	20	1	— 1	— 1	— 1	— 2	— 2	1	4	8	4	— 2	— 4	—
	21	3	1	— 2	— 6	— 5	— 6	— 8	— 7	— 6	— 5	3	8	—
	22	— 2	2	2	10	12	5	— 3	— 5	— 7	— 3	2	7	—
	23	0	1	1	0	1	1	3	4	0	— 2	0	— 2	—
	24	4	3	4	4	3	5	3	— 6	— 7	2	2	2	—
	25	2	2	1	0	0	— 4	— 9	— 6	— 6	0	1	8	—
	26	0	1	0	— 1	— 4	— 6	—11	— 8	— 6	5	3	8	—
	27	3	2	1	— 1	— 3	— 6	—10	— 9	— 6	— 1	3	7	—
	28	5	2	1	— 1	— 1	— 9	— 5	—13	— 9	— 4	— 1	4	—
	29	1	1	— 2	— 3	— 7	— 8	—12	— 8	— 4	— 1	0	9	—
	30	2	0	0	— 3	— 8	— 9	—10	—13	—11	— 2	7	14	—

Hourly Amount.	119	91	64	72	107	136	182	174	168	97	115	210	—
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Mean Batavia Time.	1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily Amount	
SEPTEMBER.	1	—11	— 6	— 5	— 4	— 1	— 2	— 1	2	2	1	3	6	102
	2	—15	—10	— 5	— 1	3	—1	—1	1	2	3	4	6	115
	3	—12	—12	— 9	— 6	2	0	1	1	1	2	5	5	102
	4	—13	—16	—13	— 1	5	0	—1	—1	0	1	3	2	109
	5	2	1	0	5	2	—2	—3	—2	—2	—1	0	2	50
	6	—16	— 6	1	4	5	2	—2	—2	—3	—3	—2	0	92
	7	— 6	— 4	— 1	1	2	—1	—3	—2	—2	—1	—2	—2	66
	8	— 1	— 5	— 3	6	4	0	1	—1	—1	—1	—5	— 8	87
	9	3	— 6	0	2	16	11	10	—1	—2	—4	— 8	—17	121
	10	12	10	13	10	3	8	6	—1	—5	—6	— 6	—12	217
	11	— 7	0	10	2	4	10	—2	—1	—3	1	1	—7	130
	12	— 1	0	4	5	—4	—1	1	—1	3	0	—4	— 6	54
	13	5	5	3	7	1	—3	—4	—4	—4	—8	—7	— 9	120
	14	9	7	5	—7	—1	—2	—1	—6	0	—10	—7	0	116
	15	4	9	—1	—4	—2	0	—3	—1	—1	0	1	3	59
	16	— 6	— 5	— 6	1	0	—1	0	2	3	4	1	2	62
	17	5	— 6	— 5	—3	—3	—3	0	1	1	2	—2	3	67
	18	—12	— 5	— 2	0	0	—2	0	2	3	2	5	5	99
	19	— 4	— 2	— 5	—4	—5	—1	4	5	4	3	3	—1	99
	20	— 4	— 2	— 5	—3	—1	3	4	5	4	5	2	6	75
	21	7	3	4	7	—2	—3	—6	—2	—3	1	—7	4	109
	22	0	— 7	— 7	—2	3	1	0	2	—2	—4	—2	0	90
	23	— 7	— 1	— 1	—2	—2	—1	0	—1	1	1	3	4	39
	24	— 4	— 4	— 7	—7	—3	1	2	2	0	1	2	5	83
	25	9	4	4	0	—4	—2	—1	0	0	1	2	1	67
	26	10	8	5	—4	—4	—3	—1	0	1	2	4	4	99
	27	8	9	6	1	—5	—4	2	1	1	2	3	3	97
	28	6	7	4	1	—4	—1	2	3	3	3	3	3	95
	29	18	18	3	—4	—7	—2	—1	1	1	4	3	2	120
	30	21	11	6	0	1	—2	—1	—1	—7	—4	—3	—1	137

Hourly Amount.	238	189	143	104	99	73	64	55	65	81	103	129	2878
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HORIZONTAL FORCE. D.
DEVIATIONS. — UNITY = 0.00001 C. G. S.

Mean Batavia Time.	1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—	
SEPTEMBER.	1	6	— 6	— 6	— 1	3	0	2	— 1	4	2	— 5	2	—
	2	— 6	— 6	— 2	— 2	6	4	3	— 4	— 4	— 3	7	6	—
	3	0	— 3	— 1	— 2	— 3	— 4	— 3	— 5	— 5	— 5	0	1	—
	4	— 4	— 8	— 8	0	1	9	5	3	— 4	5	3	3	—
	5	— 4	— 4	8	3	3	0	9	5	— 1	3	3	— 2	—
	6	0	— 1	— 1	— 6	— 3	— 4	— 4	— 2	— 4	— 1	— 2	— 1	—
	7	— 3	— 6	— 8	— 6	— 6	— 4	— 2	5	7	6	— 1	— 2	—
	8	— 17	— 24	— 13	— 6	— 1	— 6	— 5	— 7	— 9	— 4	7	1	—
	9	0	5	— 5	0	— 2	2	— 6	— 1	6	10	15	— 1	—
	10	— 17	— 8	18	9	5	28	7	1	— 13	— 7	— 1	— 8	—
	11	7	— 11	20	20	22	5	23	— 2	— 7	— 9	— 11	— 14	—
	12	8	0	4	7	9	16	— 2	8	8	5	9	2	—
	13	14	21	11	5	0	— 3	4	10	8	3	— 10	— 17	—
	14	11	— 1	0	7	7	18	7	12	7	— 6	— 11	— 11	—
	15	3	1	11	4	2	2	5	10	9	3	— 3	— 4	—
	16	1	1	0	— 2	— 7	— 5	1	— 2	2	3	3	7	—
	17	— 2	14	— 5	— 3	— 3	— 4	0	— 3	— 1	2	5	5	—
	18	0	— 5	— 2	3	0	1	7	7	6	3	5	4	—
	19	4	— 1	1	1	— 6	— 8	— 8	— 11	— 7	— 3	2	9	—
	20	— 4	2	— 5	— 5	— 6	— 6	— 5	— 4	— 5	— 2	1	7	—
	21	— 1	— 4	— 2	— 6	— 8	— 7	3	8	8	— 1	— 7	— 7	—
	22	13	— 2	— 10	0	1	— 5	— 10	— 1	13	18	8	— 11	—
	23	1	3	2	1	— 1	— 3	— 15	— 5	— 2	3	6	10	—
	24	3	0	4	5	3	— 4	— 1	— 1	4	6	— 5	4	—
	25	0	2	— 4	— 6	— 4	— 3	— 1	— 1	0	— 1	— 1	— 2	—
	26	— 1	4	1	— 5	— 2	— 1	— 2	— 6	— 3	— 3	3	4	—
	27	— 3	— 2	— 2	— 4	— 2	— 6	4	6	0	— 8	— 6	0	—
	28	— 1	— 1	0	2	— 1	— 1	0	— 1	— 9	— 4	— 1	8	—
	29	— 3	— 7	— 3	— 1	— 5	— 5	— 3	— 13	— 12	— 11	— 4	10	—
	30	2	— 1	— 8	— 2	7	— 5	— 11	— 10	3	— 3	— 14	— 4	—

Hourly Amount.	139	154	165	121	132	169	158	155	171	143	159	167	—
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Mean Batavia Time.	1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily Amount.	
SEPTEMBER.	1	-- 2	0	2	-- 1	2	3	-- 2	-- 7	-- 2	3	2	-- 1	65
	2	-- 1	2	4	-- 3	0	4	-- 5	2	-- 6	-- 7	-- 1	3	91
	3	7	16	12	6	6	1	-- 1	1	-- 4	0	-- 6	-- 9	101
	4	0	3	1	-- 8	-- 8	-- 1	8	4	3	1	1	2	93
	5	-- 5	-- 1	5	-- 2	-- 3	-- 1	-- 2	-- 4	-- 4	-- 5	-- 2	-- 1	80
	6	8	11	15	5	0	3	1	2	1	1	2	-- 2	80
	7	4	-- 1	1	5	8	10	16	19	18	9	3	-- 17	167
	8	0	2	3	-- 4	2	2	3	5	-- 1	1	4	11	141
	9	-- 3	5	5	6	1	-- 7	-- 14	5	4	8	11	22	144
	10	-- 21	-- 32	-- 43	-- 18	-- 8	-- 20	-- 21	8	2	2	14	8	319
	11	-- 14	-- 7	-- 32	-- 6	-- 16	-- 17	13	-- 9	7	5	-- 1	11	289
	12	-- 17	-- 26	-- 19	-- 20	-- 16	-- 12	6	0	-- 9	-- 10	21	14	218
	13	-- 9	-- 3	2	-- 2	3	1	-- 11	-- 11	19	-- 7	-- 8	-- 1	183
	14	-- 14	-- 2	-- 16	-- 7	-- 8	-- 6	-- 6	2	-- 11	27	0	-- 5	202
	15	-- 10	-- 20	-- 21	-- 10	-- 2	2	6	4	1	4	4	1	142
	16	3	-- 1	2	1	2	4	9	9	-- 1	-- 2	-- 5	-- 4	77
	17	-- 6	-- 5	-- 9	-- 5	-- 1	4	-- 5	-- 5	0	-- 2	1	2	92
	18	2	-- 2	-- 4	-- 8	-- 9	1	1	3	5	3	0	2	83
	19	11	4	8	7	7	3	-- 4	-- 9	-- 8	-- 6	-- 4	1	133
	20	8	5	12	18	13	5	-- 3	-- 11	-- 6	-- 5	-- 5	-- 4	147
	21	7	9	25	20	-- 5	0	3	10	8	-- 4	-- 24	-- 21	198
	22	-- 8	-- 6	-- 3	-- 1	-- 5	-- 3	-- 3	-- 1	2	7	3	5	139
	23	7	-- 5	1	-- 3	1	3	0	1	0	4	0	2	79
	24	-- 1	-- 9	-- 7	-- 4	1	4	6	2	0	-- 3	-- 2	-- 1	80
	25	6	2	3	4	3	2	4	3	-- 2	0	1	-- 3	58
	26	6	6	6	4	4	3	-- 1	-- 2	-- 5	-- 7	-- 8	-- 7	94
	27	1	5	8	1	4	1	-- 2	-- 2	-- 1	0	-- 2	-- 1	71
	28	13	15	7	-- 1	0	0	2	8	4	-- 1	-- 1	-- 2	83
	29	17	19	13	8	3	-- 8	-- 3	0	-- 1	-- 5	-- 5	1	160
	30	9	16	25	22	20	17	-- 4	-- 30	-- 19	-- 12	0	-- 7	251

Hourly Amount.	220	240	314	210	161	148	165	179	154	151	141	171	4090
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VERTICAL FORCE. D.
DEVIATIONS. — UNITY = 0.00001 C. G. S.

Mean Batavia Time.	1 A. M.	2	3	4	5	6	7	8	9	10	11	12		
SEPTEMBER.	1	-28	-20	-18	-19	-19	-17	-17	-4	3	11	23	18	
	2	9	10	3	5	1	1	-4	-11	-5	-10	-13	-4	—
	3	-1	1	0	-1	-2	-2	-3	5	2	2	1	2	—
	4	3	4	2	-3	-4	-10	-11	-4	2	-2	0	3	—
	5	6	6	-2	2	1	0	-11	-9	-6	-9	-3	-1	—
	6	-2	2	2	5	3	4	-1	0	2	1	2	5	—
	7	4	3	3	1	0	-6	-8	-2	-4	-7	-4	6	—
	8	16	14	4	-1	1	-4	-7	-9	-14	-9	-9	6	—
	9	-1	-4	1	-2	-3	-3	-2	-3	-1	-10	-7	0	—
	10	19	-8	-10	-1	0	-16	-9	-18	-12	-5	-8	11	—
	11	1	-19	-7	-5	-4	1	-16	-9	-2	0	3	12	—
	12	-1	1	-4	-8	-8	-10	-2	-3	-7	-2	-3	4	—
	13	-4	0	-2	5	5	11	3	-9	-11	-15	-4	3	—
	14	-9	-3	-3	-8	-11	-16	-1	5	5	8	7	-3	—
	15	-6	-5	-10	-6	-3	-4	3	6	10	5	4	-6	—
	16	1	2	1	1	3	3	6	3	3	-4	-4	-4	—
	17	3	-6	6	1	-1	-1	2	7	3	-9	-15	-8	—
	18	-2	2	0	-3	-3	0	2	18	20	19	10	-1	—
	19	2	5	1	1	4	4	5	7	9	13	10	-2	—
	20	8	4	5	4	5	2	-5	-14	-11	2	9	-1	—
	21	-1	3	2	5	6	5	-5	-19	-18	-3	3	6	—
	22	-7	-2	4	-3	-2	5	6	1	-12	-13	-13	-5	—
	23	-2	-3	-2	-1	0	0	6	3	4	-3	-4	-7	—
	24	-10	-7	-9	-11	-10	-8	2	27	25	18	22	5	—
	25	0	1	5	9	8	8	5	1	-5	-3	0	-2	—
	26	0	-2	-2	3	1	2	1	3	2	6	0	-3	—
	27	7	13	14	19	23	28	27	9	5	8	7	-5	—
	28	-4	-2	-1	-1	1	5	3	3	15	9	-3	-10	—
	29	4	6	3	4	6	8	10	5	6	7	3	-15	—
	30	-2	4	10	8	1	11	15	9	-7	-5	-6	-5	—

Hourly Amount.	163	162	136	146	139	195	198	226	231	218	200	163	—
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Mean Batavia Time.	1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily Amount	
SEPTEMBER.	1	2	— 4	— 8	—11	— 9	— 5	0	3	3	1	2	6	251
	2	9	3	— 1	— 3	0	1	— 2	0	4	5	2	— 1	107
	3	— 2	— 1	— 4	— 5	— 1	6	5	3	4	3	5	8	69
	4	8	4	— 1	— 1	1	1	— 4	— 2	2	4	5	4	85
	5	2	10	6	9	8	5	1	1	1	0	— 2	— 3	104
	6	— 5	—15	—15	— 5	1	2	2	2	2	2	0	2	82
	7	4	9	5	2	— 2	— 2	— 4	— 6	— 4	2	3	17	108
	8	14	14	10	4	1	2	1	— 3	— 2	— 1	— 3	— 9	158
	9	12	10	6	1	2	6	14	2	1	1	3	— 7	102
	10	25	23	29	11	6	12	11	— 4	1	1	—11	— 3	254
	11	12	— 2	8	— 7	11	11	6	5	— 5	— 2	0	— 2	150
	12	10	16	5	6	8	1	3	2	10	7	— 6	— 6	133
	13	— 2	3	1	3	1	3	9	12	— 1	4	6	— 1	118
	14	4	— 1	10	13	5	3	5	4	6	— 7	1	— 2	140
	15	— 2	3	8	5	— 2	— 4	— 1	0	3	2	1	0	99
	16	— 2	— 1	— 2	0	— 2	— 4	— 5	— 6	4	7	6	6	80
	17	1	7	8	2	1	— 3	2	5	— 1	0	0	1	93
	18	—15	—20	—11	— 9	— 1	— 1	— 3	— 3	— 1	3	6	6	159
	19	—15	—11	— 6	— 3	— 1	— 3	0	3	6	5	6	8	130
	20	— 1	0	— 1	— 4	— 3	— 1	3	8	5	3	4	5	108
	21	5	3	— 8	1	14	7	3	— 1	— 4	1	20	15	158
	22	4	3	7	1	0	1	4	1	1	— 1	1	0	97
	23	— 4	3	0	2	1	0	2	3	— 2	— 4	— 5	— 5	66
	24	6	5	— 3	— 2	— 6	— 6	— 6	— 3	— 1	5	1	1	199
	25	— 4	0	— 6	— 4	— 2	1	— 1	0	3	2	1	0	71
	26	— 9	— 3	— 2	3	— 1	0	— 3	— 1	0	2	5	7	61
	27	—17	—21	—13	— 2	— 4	— 4	— 5	— 6	— 9	— 7	— 5	— 4	262
	28	—16	—16	— 7	— 1	2	4	— 2	— 5	— 1	5	5	7	128
	29	—15	—10	5	11	4	3	0	— 2	0	3	5	3	138
	30	—12	— 9	—17	—17	—29	—35	—32	—15	—27	—40	—55	—53	424

Hourly Amount.	239	230	213	148	129	137	139	111	114	130	175	192	4131
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EASTERLY DECLINATION. D.

DEVIATIONS. — UNITY = 0.1.

Mean Batavia Time.	1 A.M.	2	3	4	5	6	7	8	9	10	11	12	—	
OCTOBER.	1	— 3	— 3	3	4	3	11	9	1	— 5	—10	— 2	0	—
	2	— 2	— 2	1	3	5	7	9	— 1	— 3	— 4	—10	—11	—
	3	1	4	5	8	7	6	7	0	— 3	— 4	— 6	—14	—
	4	3	3	3	3	4	5	9	2	— 5	— 6	— 4	— 4	—
	5	2	3	3	1	1	2	2	— 1	0	— 6	— 5	1	—
	6	— 1	— 2	— 5	— 3	— 5	1	0	3	2	8	8	6	—
	7	—11	— 8	— 7	— 2	2	6	— 2	13	10	10	5	10	—
	8	— 5	— 5	— 5	— 7	— 8	— 3	3	4	7	9	5	4	—
	9	0	— 4	4	2	— 1	— 4	— 2	— 2	1	4	0	— 5	—
	10	0	— 8	0	— 7	2	1	8	7	7	6	1	— 1	—
	11	— 4	— 7	— 7	— 4	— 5	— 2	— 1	0	7	2	5	5	—
	12	3	4	— 3	2	3	0	6	2	— 3	— 2	—10	—12	—
	13	0	— 3	1	— 3	— 1	0	— 1	— 2	— 1	1	4	11	—
	14	0	— 6	— 4	— 2	— 2	— 2	— 4	1	2	3	— 1	0	—
	15	0	— 3	— 6	— 6	— 8	— 9	— 4	— 2	4	10	13	13	—
	16	1	1	1	— 2	— 3	— 4	— 3	— 4	— 4	— 6	— 4	— 2	—
	17	1	1	1	— 1	0	1	0	— 2	— 5	— 4	— 1	— 2	—
	18	2	0	— 4	— 4	— 3	1	— 1	— 1	2	6	1	1	—
	19	— 5	0	— 1	5	5	1	— 2	— 6	— 1	6	1	— 4	—
	20	2	0	— 1	2	1	— 3	— 3	— 5	— 4	— 3	2	2	—
	21	4	— 1	— 3	— 3	— 3	— 5	— 5	1	3	— 1	4	3	—
	22	1	5	— 3	5	2	—12	2	4	— 3	— 3	— 3	— 1	—
	23	— 1	3	2	4	6	4	3	3	— 3	— 6	— 3	5	—
	24	0	3	1	— 2	— 1	— 4	— 9	— 4	0	3	3	7	—
	25	1	1	1	— 2	— 3	— 9	—15	— 6	— 1	3	13	10	—
	26	— 1	— 1	0	0	0	— 4	—12	— 9	— 3	2	5	9	—
	27	0	— 1	3	— 4	— 2	— 3	— 2	— 3	— 7	— 2	2	6	—
	28	6	7	5	3	6	7	— 2	— 4	— 5	— 3	— 8	— 3	—
	29	1	3	5	7	5	5	6	— 1	— 3	— 5	— 1	—11	—
	30	4	3	3	— 1	0	3	6	6	2	— 2	— 6	— 9	—
	31	2	1	0	1	— 1	— 1	0	3	— 1	— 3	— 8	—11	—

Hourly Amount.	67	96	91	103	98	126	138	103	107	143	144	183	—
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Mean Batavia Time.	1 P.M.	2	3	4	5	6	7	8	9	10	11	12	Daily Amount.
OCTOBER.	1	— 4	2	— 1	1	— 4	— 4	0	— 1	1	1	2	76
	2	— 5	— 1	— 3	3	0	— 4	— 2	0	— 1	2	1	81
	3	—10	6	3	4	2	— 4	— 2	— 1	0	— 3	0	101
	4	— 3	0	1	2	— 2	— 2	0	0	— 1	— 1	1	65
	5	3	1	0	1	— 4	— 1	1	1	0	2	— 1	43
	6	— 5	1	5	3	5	1	— 2	— 5	0	—10	—10	98
	7	22	0	— 1	— 2	2	— 5	—10	— 4	— 3	— 7	0	146
	8	5	5	7	14	8	— 4	—10	— 2	0	— 6	—11	145
	9	— 4	1	4	— 6	5	— 1	2	— 5	0	— 6	— 7	71
	10	5	8	3	1	3	2	— 4	— 8	— 7	— 3	5	101
	11	7	3	0	— 2	4	5	— 4	— 1	— 1	0	1	79
	12	— 7	— 4	1	6	6	4	1	— 3	— 1	— 1	— 7	92
	13	8	4	— 2	— 2	— 5	— 1	— 3	0	1	0	— 1	56
	14	1	— 3	— 2	0	0	1	2	1	1	2	2	44
	15	11	7	5	— 1	— 5	— 2	1	— 1	0	2	— 1	115
	16	— 1	— 1	1	2	— 2	2	2	2	2	3	— 1	55
	17	— 4	— 6	1	— 4	1	6	3	2	2	4	— 1	54
	18	0	— 2	— 5	— 3	0	1	4	3	5	4	—13	70
	19	—12	— 6	3	2	— 3	4	1	3	2	5	4	86
	20	— 1	1	1	— 2	— 1	2	3	1	1	2	4	49
	21	0	2	0	— 4	— 2	— 3	0	— 2	— 6	2	6	66
	22	0	— 4	— 5	— 4	0	2	3	2	2	1	— 2	71
	23	— 1	— 3	— 5	— 3	— 1	1	2	1	2	1	3	67
	24	7	5	0	— 4	— 4	— 1	2	1	1	3	0	66
	25	6	2	— 1	0	— 1	— 1	1	1	0	0	1	79
	26	7	— 5	— 7	— 5	— 3	0	3	2	3	6	3	96
	27	1	0	0	0	— 4	— 6	— 5	0	0	2	6	66
	28	— 5	— 3	— 4	— 5	— 1	0	0	2	3	4	2	89
	29	— 5	— 8	— 8	— 2	1	2	4	3	— 2	—13	— 2	105
	30	— 3	3	5	4	2	1	3	0	— 1	0	1	69
	31	— 5	0	0	3	7	2	2	1	2	3	— 1	60
Hourly Amount.	158	97	84	95	88	75	82	57	56	91	85	94	2461

HORIZONTAL FORCE. D.
DEVIATIONS. — UNITY = 0.00001 C. G. S.

Mean Batavia Time.	1 A.M.	2	3	4	5	6	7	8	9	10	11	12	—	
OCTOBER.	1	0	— 5	1	— 2	5	0	5	2	— 1	— 3	1	8	—
	2	— 1	— 10	— 7	— 3	— 3	0	2	— 3	0	5	14	7	—
	3	— 6	— 11	— 7	— 6	— 5	— 9	— 10	— 5	— 2	— 9	— 5	0	—
	4	— 5	— 8	— 4	— 4	— 6	— 5	— 5	— 2	— 5	— 3	4	9	—
	5	— 2	— 2	— 5	— 4	— 11	— 7	— 3	— 4	— 5	— 1	— 2	8	—
	6	— 3	— 1	— 7	— 6	0	— 2	10	12	6	— 8	— 15	— 8	—
	7	22	9	42	17	15	— 4	8	— 13	— 8	— 13	— 5	— 5	—
	8	— 10	10	5	8	36	15	25	17	13	4	— 22	— 25	—
	9	3	8	3	9	4	16	3	8	5	3	— 10	— 10	—
	10	11	6	6	14	18	23	— 3	8	3	— 6	— 13	— 18	—
	11	31	24	4	1	— 8	4	— 3	— 10	2	3	— 8	— 9	—
	12	5	4	0	— 4	5	7	— 7	— 4	— 11	— 10	— 3	10	—
	13	— 7	6	2	6	0	0	— 2	2	2	4	3	3	—
	14	— 10	— 9	6	0	1	— 1	— 3	— 4	— 3	0	— 4	2	—
	15	— 3	4	2	4	3	4	0	0	— 7	0	7	1	—
	16	2	5	1	2	2	3	2	4	5	5	7	6	—
	17	0	— 1	— 9	— 7	— 10	— 7	— 6	— 5	— 5	— 5	— 3	9	—
	18	— 3	— 2	— 10	— 6	— 8	— 3	— 3	— 1	3	4	13	10	—
	19	— 25	— 11	2	— 6	— 3	2	— 6	2	— 8	— 16	0	4	—
	20	3	7	4	1	— 4	— 3	— 5	— 7	— 4	— 1	3	2	—
	21	— 3	8	2	6	6	0	2	— 1	— 4	0	4	12	—
	22	2	— 8	— 11	— 4	— 5	— 8	— 6	— 5	8	6	1	1	—
	23	— 4	2	1	— 2	— 4	— 3	— 2	— 2	— 2	3	2	2	—
	24	— 5	— 3	— 5	— 1	— 2	2	4	4	4	3	1	1	—
	25	— 6	— 1	— 8	— 1	— 2	— 2	5	— 3	0	8	11	5	—
	26	0	0	— 12	— 10	— 10	— 8	— 5	— 2	1	5	— 1	0	—
	27	11	— 6	8	3	— 8	— 12	— 14	0	8	3	— 1	— 3	—
	28	4	— 3	— 7	— 1	2	— 2	12	2	1	2	9	— 8	—
	29	7	— 4	15	7	0	4	11	9	— 1	— 1	— 3	— 14	—
	30	— 6	— 3	— 1	1	0	0	— 2	— 1	— 6	1	5	3	—
	31	— 4	— 4	— 8	— 9	— 7	— 4	— 4	— 1	2	13	6	— 6	—

Hourly Amount.	204	185	205	155	193	160	178	143	135	148	186	209	—
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Mean Batavia Time.	1 P.M.	2	3	4	5	6	7	8	9	10	11	12	Daily Amount.
OCTOBER.	1	— 5	— 7	— 5	1	6	4	2	1	1	— 4	— 4	74
	2	7	1	— 4	2	6	7	4	6	10	— 1	— 9	118
	3	9	10	9	6	7	6	4	3	4	0	— 1	136
	4	11	2	— 3	— 1	5	6	2	1	2	1	— 2	97
	5	10	8	1	3	8	10	3	3	15	5	— 6	127
	6	15	18	14	5	— 11	— 21	— 8	0	— 9	0	— 14	206
	7	— 40	— 9	— 14	— 6	7	4	6	— 2	0	11	21	286
	8	— 26	— 38	— 19	— 29	— 42	7	22	1	— 16	— 7	40	455
	9	— 28	— 23	— 21	4	— 9	6	— 15	14	— 3	2	— 3	231
	10	— 8	— 27	— 11	— 9	— 11	— 12	7	19	— 5	3	— 7	263
	11	1	— 9	— 6	— 9	— 6	— 17	9	— 10	— 2	11	15	206
	12	20	20	9	— 15	— 21	— 21	— 2	6	2	2	— 11	202
	13	2	— 2	1	— 1	0	— 6	2	3	2	8	— 3	67
	14	5	7	1	6	— 1	0	— 16	— 10	0	2	— 6	99
	15	0	3	2	0	6	2	— 10	— 16	— 13	— 2	0	89
	16	1	2	2	1	— 4	— 3	— 2	— 3	2	2	7	74
	17	14	15	5	15	11	5	— 7	— 2	— 13	— 34	— 11	209
	18	16	23	21	19	29	16	4	— 2	— 2	— 4	0	210
	19	6	— 11	— 22	— 15	— 14	— 11	1	— 1	7	— 4	— 3	184
	20	4	9	10	6	7	2	— 5	— 1	2	3	— 5	109
	21	17	3	11	0	4	3	— 3	1	4	— 15	— 1	113
	22	— 2	— 1	2	3	1	2	— 1	— 1	1	— 3	— 5	87
	23	1	3	3	3	3	0	— 6	— 6	— 4	— 3	— 2	65
	24	0	4	3	3	3	3	— 1	— 3	— 2	— 2	— 5	68
	25	— 3	— 2	0	2	4	— 1	2	3	5	— 1	— 2	79
	26	2	10	8	5	5	4	3	2	1	0	7	106
	27	— 1	7	6	9	6	3	9	9	6	— 3	— 22	161
	28	— 20	— 18	— 8	— 1	— 7	— 7	0	4	7	5	2	140
	29	— 14	— 11	— 4	— 3	4	5	— 8	— 15	2	14	20	188
	30	5	4	— 2	— 11	— 3	7	3	— 3	— 2	0	— 2	75
	31	3	6	10	6	5	3	— 1	3	— 1	1	0	110

Hourly Amount.	296	313	237	199	256	204	168	154	145	155	224	182	4634
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VERTICAL FORCE. D.
DEVIATIONS. — UNITY = 0.00001 C. G. S.

Mean Batavia Time.	1 A.M.	2	3	4	5	6	7	8	9	10	11	12	—	
OCTOBER.	1	29	32	34	33	29	26	29	36	43	37	37	28	—
	2	— 4	1	— 2	— 7	— 8	—12	— 7	15	13	4	2	0	—
	3	5	6	0	— 1	— 2	0	0	9	8	11	7	5	—
	4	7	7	2	0	1	— 3	3	2	7	4	1	— 7	—
	5	1	3	6	6	9	4	4	— 1	4	— 2	— 6	— 6	—
	6	1	0	3	5	1	— 4	—13	—23	—23	—10	2	17	—
	7	—15	—10	—28	—10	— 8	4	— 9	3	1	1	0	— 6	—
	8	12	— 8	4	1	—15	— 4	—10	—10	—12	— 8	2	9	—
	9	4	0	— 3	— 4	— 1	— 5	1	— 3	— 5	— 4	4	— 4	—
	10	— 9	— 3	— 2	— 6	— 9	—10	5	2	3	5	7	1	—
	11	—20	—12	3	4	6	— 3	3	10	— 1	2	4	— 1	—
	12	— 6	— 5	— 1	3	— 2	— 1	5	1	4	8	8	1	—
	13	8	3	3	1	5	7	6	— 9	— 9	— 5	— 6	— 5	—
	14	3	2	—13	— 6	— 8	— 7	— 9	— 7	— 5	— 1	11	12	—
	15	1	— 3	— 2	— 2	0	— 2	— 3	—12	—14	—13	—11	— 2	—
	16	— 5	— 8	— 5	— 5	— 5	— 6	— 3	2	— 3	— 4	—12	— 8	—
	17	0	1	6	5	7	4	3	— 2	— 2	— 1	— 6	— 8	—
	18	— 5	— 7	— 1	— 3	— 3	— 7	— 9	—12	— 9	— 2	2	— 1	—
	19	14	3	— 7	— 6	— 4	—10	— 8	—18	—12	— 1	— 8	5	—
	20	— 1	— 2	— 1	— 1	— 2	2	— 2	— 2	— 7	— 9	— 4	0	—
	21	1	— 3	0	— 3	— 2	— 1	— 8	—13	—10	—13	— 7	0	—
	22	— 1	3	6	1	0	2	— 2	— 7	—10	— 8	— 5	— 3	—
	23	— 3	— 6	— 6	— 5	— 4	— 9	— 7	— 9	— 5	— 8	— 6	2	—
	24	— 4	— 5	— 4	— 5	— 3	— 2	— 3	4	0	1	— 5	—12	—
	25	— 3	— 4	2	— 1	1	5	4	4	1	— 6	—12	— 9	—
	26	0	— 1	4	3	5	8	9	1	1	— 4	— 4	—10	—
	27	— 9	3	— 1	— 1	6	9	7	7	2	— 4	— 7	— 6	—
	28	—10	— 7	— 2	— 4	— 6	4	1	15	18	4	— 5	— 4	—
	29	— 4	4	— 9	— 4	0	1	3	7	9	1	— 5	— 2	—
	30	5	0	— 2	— 4	— 5	— 5	— 2	— 1	9	5	8	6	—
	31	5	7	11	11	11	12	10	4	13	17	14	10	—

Hourly Amount.	195	159	173	151	168	179	188	251	263	203	218	190	—
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Mean Batavia Time.	1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily Amount	
OCTOBER.	1	12	— 8	— 8	—14	—16	—20	—14	—10	—12	— 7	— 2	— 1	517
	2	— 9	— 6	0	0	— 2	— 3	— 4	— 2	— 5	— 3	3	7	119
	3	— 7	—19	—22	—16	— 8	— 1	— 1	— 1	— 2	1	5	4	141
	4	—10	— 6	0	1	— 1	— 2	— 3	— 2	— 4	— 2	0	1	76
	5	— 8	— 1	5	1	— 3	— 5	— 1	0	— 7	— 1	7	5	96
	6	9	5	7	11	16	18	6	0	1	0	4	3	182
	7	14	4	10	7	— 2	— 1	3	0	5	— 5	— 6	0	152
	8	17	12	5	8	19	— 7	— 8	— 1	17	2	—26	— 8	225
	9	2	6	— 2	— 2	2	— 1	10	— 5	4	3	3	—11	89
	10	— 6	11	4	4	7	5	— 3	— 8	8	— 3	5	—10	136
	11	— 2	3	5	3	1	8	0	4	0	— 8	—11	— 4	118
	12	— 9	—17	—19	4	10	9	— 2	— 6	— 2	— 1	10	3	137
	13	— 5	1	2	— 1	— 3	2	— 1	— 3	— 1	— 4	2	— 2	94
	14	12	12	10	4	6	4	9	7	— 2	— 4	— 1	6	161
	15	7	7	7	13	8	6	8	10	5	— 2	— 5	— 5	148
	16	— 8	0	2	8	8	5	3	3	1	2	— 1	2	109
	17	— 2	— 2	3	— 1	— 4	— 1	2	2	8	20	2	— 3	95
	18	5	— 5	2	0	7	0	0	4	4	4	0	6	98
	19	12	19	33	17	9	4	— 2	— 5	— 8	— 3	— 1	— 2	211
	20	1	— 4	— 1	1	— 4	— 3	2	3	2	5	6	8	73
	21	4	9	1	3	1	3	6	2	1	6	— 1	— 5	103
	22	4	3	4	— 1	— 3	0	3	5	0	1	2	— 3	77
	23	4	22	19	11	9	10	12	8	1	0	— 2	— 5	173
	24	— 7	0	1	7	9	4	3	4	0	1	1	— 1	86
	25	— 1	— 6	— 7	— 7	— 6	0	0	— 1	0	1	1	2	84
	26	— 2	— 2	— 7	— 4	— 4	— 4	— 2	— 1	— 3	— 2	— 4	1	86
	27	— 4	— 8	—11	—11	— 3	— 2	— 3	— 1	0	9	15	6	135
	28	— 3	0	— 7	—12	— 2	1	1	— 1	— 2	— 1	3	— 1	114
	29	— 1	— 1	— 8	— 8	— 9	— 6	4	12	1	— 1	— 9	7	116
	30	— 4	—10	— 5	4	1	— 6	— 4	1	1	0	3	3	94
	31	— 9	—15	—22	—27	—28	—20	—18	—15	—10	— 6	1	3	299

Hourly Amount.	200	224	239	211	211	161	138	127	117	108	142	128	4344
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EASTERLY DECLINATION. D.

DEVIATIONS. — UNITY = 0.1.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
NOVEMBER.	1	2	2	4	4	4	4	3	0	— 2	— 6	—13	— 6	—
	2	0	1	— 1	0	0	1	2	— 1	0	2	— 6	— 3	—
	3	— 7	— 8	— 5	—13	2	7	9	7	5	2	3	— 1	—
	4	0	— 5	0	4	9	— 7	0	3	3	— 2	1	— 2	—
	5	5	7	5	7	6	15	13	5	— 9	— 7	—15	—12	—
	6	—15	1	0	1	4	4	6	0	— 4	— 1	— 5	1	—
	7	4	5	12	3	6	2	4	5	— 1	— 7	0	3	—
	8	4	5	3	1	1	— 7	— 8	— 3	1	6	8	3	—
	9	2	2	0	0	— 2	— 3	—10	— 8	3	8	7	4	—
	10	2	— 1	— 1	— 2	— 5	— 4	— 4	— 2	1	9	4	— 4	—
	11	— 1	1	0	— 1	— 1	— 5	1	— 8	2	4	4	1	—
	12	4	2	1	— 2	— 5	—15	—16	— 6	— 2	11	7	2	—
	13	— 1	— 2	— 3	— 5	— 8	—14	— 6	6	13	6	7	3	—
	14	0	— 2	— 2	— 1	— 4	—11	— 7	—10	— 2	4	7	6	—
	15	2	4	1	4	3	4	2	— 5	— 6	— 7	— 5	2	—
	16	0	0	2	2	— 2	5	— 3	— 1	— 4	— 5	— 4	— 2	—
	17	1	— 1	— 3	— 1	— 6	—10	— 3	— 1	3	9	8	7	—
	18	— 1	0	1	3	2	12	1	0	— 8	—10	— 5	— 4	—
	19	— 2	— 2	— 3	— 4	— 3	1	— 1	1	1	0	3	0	—
	20	— 1	0	— 2	0	— 1	4	5	7	4	— 5	—10	—12	—
	21	— 3	3	0	2	2	3	0	— 1	— 5	— 8	— 4	— 4	—
	22	1	1	— 1	0	1	2	0	3	— 3	— 5	— 4	— 4	—
	23	— 1	— 1	— 1	0	1	4	9	8	— 1	— 7	— 7	2	—
	24	— 3	—13	—13	0	— 6	— 3	0	4	9	12	17	10	—
	25	— 2	— 1	— 2	— 7	— 6	— 5	1	2	6	12	15	14	—
	26	— 4	0	0	2	0	— 2	— 2	— 4	— 1	3	2	8	—
	27	4	3	2	2	— 1	— 3	— 1	— 6	— 5	— 5	0	0	—
	28	2	2	0	1	4	3	2	0	— 6	—10	— 9	— 5	—
	29	2	2	3	4	2	1	— 1	— 2	— 2	1	— 3	— 3	—
	30	3	— 1	— 1	— 5	5	11	0	1	3	— 5	— 2	— 4	—

Hourly Amount.	79	78	72	81	102	172	120	110	115	179	185	132	—
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Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily Amount.
NOVEMBER.	1	1	0	0	0	2	1	— 1	1	— 1	3	2	3	65
	2	— 1	2	0	— 1	2	8	14	1	— 5	0	— 5	— 3	59
	3	— 6	— 8	— 3	4	14	— 5	— 3	3	— 5	0	— 4	—10	134
	4	0	1	2	8	— 1	1	—10	3	— 2	— 6	— 6	5	81
	5	— 9	— 3	2	0	6	0	5	1	6	1	— 2	— 6	147
	6	— 7	1	3	1	1	— 1	— 3	— 7	— 1	—11	— 6	— 1	85
	7	9	— 2	— 4	— 3	— 3	1	— 7	— 2	— 4	—11	— 1	1	100
	8	— 3	— 7	— 3	— 1	— 1	0	3	2	2	1	2	4	79
	9	— 3	— 3	— 1	— 1	2	1	— 5	— 1	0	2	1	0	69
	10	1	6	4	2	— 1	— 1	3	3	— 4	0	1	2	67
	11	0	— 3	— 2	— 2	— 1	— 2	— 1	2	5	5	7	3	62
	12	4	2	2	— 1	— 3	4	1	0	— 2	— 1	— 2	0	95
	13	— 1	2	0	5	1	2	4	1	— 1	— 1	1	0	93
	14	3	— 5	—11	— 8	— 3	0	3	2	4	5	5	5	110
	15	— 1	0	0	— 5	— 2	3	3	0	2	4	1	1	67
	16	1	— 1	— 5	— 3	0	1	4	3	5	7	4	1	65
	17	5	5	2	— 2	1	— 3	— 3	— 4	— 5	— 2	— 2	3	90
	18	— 7	— 9	— 4	1	4	2	2	1	3	1	0	1	82
	19	0	2	5	5	— 2	— 2	— 1	— 1	3	0	0	0	42
	20	—10	— 4	11	8	7	4	— 1	2	3	— 3	— 3	— 2	109
	21	0	— 3	2	3	0	1	1	— 2	— 1	1	1	2	52
	22	— 1	3	5	4	1	4	1	— 2	0	2	0	0	48
	23	6	6	— 4	— 1	— 3	1	1	5	1	1	— 2	— 6	79
	24	6	1	— 5	— 2	— 6	5	0	— 6	— 5	— 2	— 3	0	131
	25	2	0	4	0	— 7	— 8	— 8	— 5	0	1	1	— 2	111
	26	12	5	— 2	— 3	— 7	— 6	— 2	— 2	2	4	2	4	79
	27	— 1	2	— 1	— 1	— 3	— 4	— 2	0	1	3	3	4	57
	28	0	5	4	— 3	— 3	— 4	— 2	1	2	4	1	3	76
	29	1	2	1	— 1	2	— 2	— 2	3	2	—11	4	4	61
	30	— 2	4	— 1	— 4	2	10	7	— 3	— 2	2	— 1	—14	93

Hourly Amount.	103	97	93	83	91	87	103	69	79	95	73	90	2488
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HORIZONTAL FORCE. D.

DEVIATIONS. — UNITY = 0.00001 C. G. S.

Mean Batavia Time.	1 A.M.	2	3	4	5	6	7	8	9	10	11	12	—	
NOVEMBER.	1	0	— 1	— 9	—11	—12	— 6	— 3	0	— 3	— 3	4	2	—
	2	— 3	— 3	—12	—14	— 6	— 4	— 6	— 1	— 7	— 6	4	13	—
	3	—17	— 5	3	8	5	— 6	— 6	—12	0	— 4	— 5	—19	—
	4	—13	0	— 6	0	1	— 5	2	2	— 3	5	—10	— 2	—
	5	7	21	14	9	8	0	— 5	— 2	2	—13	— 9	— 6	—
	6	47	— 1	0	— 1	— 7	— 5	4	9	1	— 2	1	—17	—
	7	—16	— 7	—14	23	9	13	5	— 6	— 1	— 4	—11	—11	—
	8	— 5	0	1	— 4	— 1	4	8	10	— 2	— 1	— 4	— 2	—
	9	2	2	8	— 2	3	0	6	13	10	5	— 1	— 3	—
	10	9	1	— 5	—10	— 5	— 6	1	7	9	8	3	2	—
	11	— 3	2	— 4	— 9	— 3	— 2	0	6	1	2	5	10	—
	12	— 4	3	5	4	11	14	9	7	0	— 6	— 5	— 1	—
	13	7	— 3	— 2	10	10	8	4	1	1	— 2	— 4	— 6	—
	14	—12	0	— 3	0	14	13	7	7	3	3	1	1	—
	15	— 1	— 1	— 5	— 7	— 6	5	3	7	5	2	5	5	—
	16	3	1	11	22	14	8	4	—13	—14	—12	— 5	— 4	—
	17	— 5	— 2	— 2	— 4	— 5	— 5	— 4	— 3	6	9	15	14	—
	18	— 1	2	16	— 4	— 3	—10	—11	—12	— 9	— 8	— 5	— 2	—
	19	0	2	6	3	— 2	— 7	— 6	— 5	0	12	5	5	—
	20	4	— 2	6	1	— 1	2	—11	—14	— 7	— 1	15	25	—
	21	2	7	7	7	4	5	1	— 8	— 2	— 5	— 5	— 3	—
	22	1	1	2	— 1	— 3	0	1	4	6	5	1	— 1	—
	23	— 4	— 6	— 5	— 3	— 2	— 5	— 9	—10	— 4	0	9	14	—
	24	5	1	— 1	2	4	9	13	10	12	2	—30	—30	—
	25	13	0	13	6	5	1	2	3	5	4	4	— 3	—
	26	1	1	— 4	5	— 4	— 6	1	2	8	3	6	1	—
	27	— 3	— 8	— 8	— 5	— 3	— 3	— 6	3	4	3	9	11	—
	28	— 5	— 5	— 7	— 6	— 7	— 3	— 2	0	3	1	2	6	—
	29	— 5	— 4	— 6	— 8	—11	— 7	— 7	— 3	0	4	11	13	—
	30	— 2	8	2	— 7	— 8	— 1	5	— 2	—15	0	— 5	— 6	—

Hourly Amount.	200	100	187	196	177	163	152	182	143	135	199	238	—
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Mean Batavia Time.		1 P.M.	2	3	4	5	6	7	8	9	10	11	12	Daily Amount
NOVEMBER.	1	6	6	5	2	— 4	— 2	0	4	4	0	3	1	91
	2	25	30	42	24	10	— 3	—14	—10	18	7	— 5	—10	277
	3	4	5	9	0	—29	—16	12	4	16	19	11	7	222
	4	—14	—16	1	—17	6	— 1	24	—11	14	— 3	— 9	2	167
	5	—21	—12	— 3	0	—16	— 1	— 7	11	—12	0	9	13	201
	6	— 7	— 3	4	1	4	0	4	11	—15	9	16	— 8	177
	7	—11	— 5	— 5	— 6	— 6	— 1	12	— 2	— 8	18	7	— 1	202
	8	— 2	0	1	3	2	— 3	—12	— 9	1	1	— 5	— 4	85
	9	— 4	— 7	—10	—14	— 7	— 6	12	5	— 3	— 2	2	10	137
	10	1	— 4	— 8	— 5	— 5	1	— 5	— 4	10	— 2	0	— 4	115
	11	5	5	8	8	5	6	9	— 1	—11	—18	—10	0	133
	12	— 3	— 6	—10	— 9	— 2	— 4	— 7	— 8	—17	—10	2	8	155
	13	6	5	2	— 2	— 8	—12	—14	—13	0	13	— 1	— 9	143
	14	— 3	— 2	1	0	— 3	2	4	2	— 2	— 3	1	— 4	91
	15	7	4	7	7	0	—18	—29	— 9	0	0	3	2	138
	16	— 8	—11	—11	— 6	4	4	1	6	11	0	0	5	178
	17	7	— 1	0	10	3	11	— 2	5	8	— 1	— 6	—13	141
	18	2	0	— 1	— 3	4	5	5	3	— 2	— 4	0	— 2	114
	19	— 1	— 5	— 4	0	1	2	— 2	13	4	2	3	2	92
	20	17	14	—30	— 9	5	8	—11	—14	—18	— 8	6	6	235
	21	— 7	— 4	— 2	— 2	— 2	3	4	2	— 8	— 9	— 6	3	108
	22	1	0	3	6	6	2	3	6	2	— 2	1	— 3	61
	23	10	— 7	— 2	8	14	19	18	13	7	—12	—28	—11	220
	24	—22	— 7	— 3	— 2	0	— 1	6	—15	—17	0	3	5	200
	25	— 2	— 2	— 9	— 7	— 3	— 4	— 2	11	— 1	— 3	3	16	122
	26	—12	2	— 2	— 1	2	2	1	1	— 2	— 5	0	— 3	75
	27	8	6	— 3	— 3	0	3	3	6	5	— 2	0	— 1	106
	28	4	2	0	— 5	— 5	2	3	5	2	— 4	1	1	81
	29	14	11	10	7	— 3	0	12	7	3	11	3	—12	172
	30	— 5	2	11	15	20	— 1	—34	—27	5	2	—10	0	193

Hourly Amount.	239	184	207	182	179	143	272	238	226	170	154	166	4432
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VERTICAL FORCE. D.
DEVIATIONS. — UNITY = 0.00001 C. G. S.

Mean Batavia Time.	1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—	
NOVEMBER.	1	5	7	11	12	11	6	6	5	4	10	7	2	—
	2	6	6	11	10	6	2	— 3	—16	—16	— 7	— 4	2	—
	3	7	2	— 2	— 4	—11	— 3	— 2	1	— 2	3	3	12	—
	4	17	15	16	9	5	7	— 5	—27	—16	—10	6	6	—
	5	— 5	—11	— 3	0	4	7	11	5	5	8	0	— 6	—
	6	—22	— 1	— 1	— 1	0	1	0	2	8	7	6	10	—
	7	9	— 1	0	—15	— 6	— 3	3	12	8	8	0	— 5	—
	8	— 4	— 8	—10	— 7	— 6	— 9	—12	6	6	0	9	9	—
	9	— 4	— 5	— 6	0	— 2	1	0	— 5	— 4	— 4	— 6	— 2	—
	10	— 8	— 1	0	1	0	— 3	— 6	— 4	— 3	— 2	2	5	—
	11	— 1	— 4	0	3	1	2	3	— 1	4	2	— 2	— 4	—
	12	1	— 2	— 2	0	— 2	1	— 1	— 7	— 8	— 6	— 1	1	—
	13	— 5	5	2	— 2	— 3	— 1	—12	—19	—21	—13	— 1	6	—
	14	5	— 1	— 1	— 2	— 9	— 6	— 7	—12	—13	—12	— 4	— 1	—
	15	1	— 1	1	2	0	— 9	—12	— 3	— 6	— 5	— 4	— 5	—
	16	4	5	3	— 5	3	4	8	— 5	— 2	— 2	— 6	— 5	—
	17	6	5	4	3	4	2	— 8	—19	—24	—17	— 2	5	—
	18	0	0	— 3	6	5	6	9	8	3	— 4	— 1	1	—
	19	3	3	1	5	8	5	8	5	2	— 5	1	— 1	—
	20	— 3	— 1	— 3	1	0	— 4	5	15	10	10	— 2	— 6	—
	21	— 2	— 6	— 6	— 5	— 1	— 1	7	14	16	12	13	4	—
	22	— 1	— 1	— 1	1	2	0	2	— 1	4	4	— 8	— 8	—
	23	— 1	1	0	0	— 1	— 2	1	12	14	10	— 2	—17	—
	24	— 7	— 2	— 3	— 3	— 3	0	0	1	— 2	— 8	4	9	—
	25	— 7	— 2	— 5	— 1	1	3	1	1	— 1	— 1	— 4	— 2	—
	26	— 3	— 4	— 3	— 9	— 4	1	— 4	7	3	8	3	0	—
	27	3	7	6	8	7	9	9	7	3	— 3	—10	—13	—
	28	4	3	2	3	2	0	3	4	7	9	— 2	— 8	—
	29	2	0	0	1	2	— 2	— 4	— 4	— 3	— 4	— 6	— 7	—
	30	— 3	—12	—10	— 4	— 6	—13	— 8	15	22	13	14	18	—

Hourly Amount.	149	122	116	123	115	113	160	243	240	207	133	180	—
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Mean Batavia Time.	1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily Amount	
NOVEMBER.	1	— 5	— 4	— 6	— 5	— 7	— 3	— 4	— 6	— 3	0	— 1	1	131
	2	— 4	— 5	— 9	3	4	5	9	5	— 9	—11	5	5	163
	3	0	— 1	— 5	— 1	14	8	— 7	— 8	— 8	—12	— 2	7	125
	4	11	8	— 4	— 1	0	— 3	—14	5	— 1	0	7	— 3	196
	5	0	— 6	— 8	— 7	4	1	2	— 2	4	0	— 9	— 7	115
	6	2	— 5	— 7	— 3	— 7	— 5	— 5	— 2	8	3	— 9	3	118
	7	— 1	2	0	1	2	1	— 4	— 3	3	— 9	— 7	— 6	109
	8	10	6	4	— 1	2	8	11	10	1	— 2	1	0	142
	9	5	7	8	7	2	4	— 5	— 2	2	0	— 2	— 8	91
	10	0	1	10	7	8	3	5	3	— 4	— 1	— 1	0	78
	11	— 5	1	— 3	— 6	— 6	— 4	— 4	0	8	12	8	1	85
	12	— 1	— 3	1	3	0	2	6	8	16	8	3	— 2	85
	13	8	10	10	12	10	7	9	9	3	— 2	1	6	177
	14	5	7	5	3	0	0	— 2	— 1	2	3	0	2	103
	15	— 1	4	3	5	4	13	17	5	0	0	1	1	103
	16	— 1	5	4	— 1	— 9	— 9	— 4	— 6	— 5	2	3	6	107
	17	12	16	10	1	1	— 6	— 2	— 2	— 6	— 1	2	5	163
	18	0	— 7	—11	—10	— 8	— 5	— 5	— 4	0	1	0	3	100
	19	— 2	— 1	— 8	— 7	— 3	— 3	— 2	— 8	— 3	— 2	— 1	— 3	90
	20	—12	—15	13	6	— 4	— 6	2	5	7	— 1	—10	— 9	150
	21	2	— 5	— 8	— 5	— 3	— 5	— 4	— 3	5	2	— 1	— 3	133
	22	— 3	0	1	— 1	1	2	0	— 2	— 2	— 2	— 3	— 2	52
	23	—14	1	8	— 1	— 2	— 5	— 7	— 4	1	11	17	3	135
	24	4	0	— 1	— 2	0	3	1	13	— 9	2	2	— 3	82
	25	— 3	— 3	1	— 4	4	3	3	— 4	1	1	— 4	—11	71
	26	5	— 1	4	2	2	— 1	— 3	— 4	— 4	— 1	— 3	1	80
	27	—14	— 7	— 2	0	0	— 3	— 1	— 3	— 2	1	1	1	120
	28	— 4	— 7	— 2	— 4	5	— 1	— 4	— 5	— 2	1	— 1	— 2	85
	29	— 6	— 3	— 1	3	5	3	— 5	— 3	— 2	4	— 6	3	79
	30	14	4	— 6	—14	—15	— 2	16	8	— 2	— 4	10	10	243

Hourly Amount.	154	145	163	126	132	124	163	143	123	99	121	117	3511
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EASTERLY DECLINATION. D.

DEVIATIONS. - UNITY = 0.1.

Mean Batavia Time.	1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—	
DECEMBER.	1	— 3	— 4	1	2	5	2	3	— 2	— 2	— 1	3	7	—
	2	— 3	1	— 2	— 1	1	4	7	— 2	1	— 5	— 1	— 7	—
	3	— 4	4	— 4	2	9	9	4	3	— 6	— 5	— 9	— 7	—
	4	0	— 1	0	2	— 3	— 9	— 5	3	7	8	7	11	—
	5	— 5	1	2	3	— 3	— 2	— 4	— 3	1	3	6	8	—
	6	— 7	— 3	2	3	3	— 6	— 3	— 3	2	— 4	7	5	—
	7	— 1	0	1	— 1	— 6	— 12	— 2	0	8	12	19	15	—
	8	— 6	— 3	— 7	— 18	— 15	— 10	— 6	12	14	17	20	10	—
	9	3	2	— 1	— 3	— 4	— 7	— 5	— 4	3	7	12	9	—
	10	2	1	2	3	— 2	— 6	— 12	— 6	2	5	3	0	—
	11	1	— 1	1	1	1	— 2	— 2	— 4	3	5	4	5	—
	12	3	4	— 3	— 3	0	— 1	0	— 7	— 10	— 2	— 3	0	—
	13	3	4	4	— 1	5	8	6	— 2	— 4	— 6	— 11	— 8	—
	14	3	3	5	7	7	3	— 3	— 8	— 12	— 9	— 1	4	—
	15	3	2	3	6	3	1	— 1	1	— 2	— 6	— 10	— 7	—
	16	3	0	3	6	6	12	8	5	— 7	— 7	— 14	— 15	—
	17	2	1	3	3	6	10	10	3	— 6	— 8	— 8	— 11	—
	18	— 1	1	— 3	— 3	— 1	— 2	0	6	5	— 2	— 13	— 12	—
	19	4	1	2	0	— 5	— 2	3	1	— 2	3	— 9	— 3	—
	20	1	1	3	— 2	— 1	1	— 3	— 1	2	4	— 5	— 1	—
	21	5	3	— 1	0	1	3	4	4	2	— 4	— 7	— 10	—
	22	3	1	— 2	— 2	0	— 1	— 1	3	2	0	— 2	— 1	—
	23	1	0	— 2	— 3	0	— 3	6	— 1	— 4	— 3	— 7	2	—
	24	1	— 2	2	1	7	6	2	— 2	— 3	— 3	— 7	— 6	—
	25	3	3	6	6	3	9	13	14	13	6	10	2	—
	26	6	7	6	4	3	— 2	— 3	3	— 1	— 7	— 2	— 2	—
	27	— 10	— 7	— 5	— 6	— 8	— 1	5	1	8	16	18	16	—
	28	— 11	— 6	— 3	3	0	0	2	3	7	4	7	— 3	—
	29	3	— 3	— 7	— 2	0	5	3	— 1	1	— 3	1	— 5	—
	30	0	— 4	— 2	— 3	— 5	— 3	— 7	1	4	2	— 1	0	—
	31	2	— 1	— 1	0	— 1	2	0	— 4	— 5	— 3	— 1	— 1	—

Hourly Amount.	103	75	89	100	114	144	133	113	149	170	228	193	—
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Mean Batavia Time.	1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily Amount	
DECEMBER.	1	15	4	2	— 4	0	— 3	0	— 2	— 3	— 1	— 8	0	77
	2	— 7	— 6	4	9	2	5	— 8	1	— 7	1	— 3	— 2	90
	3	1	— 1	6	3	1	2	— 4	— 1	0	— 3	— 3	0	91
	4	9	6	2	0	— 4	— 3	— 7	— 5	— 1	— 2	— 5	— 7	107
	5	6	4	3	2	3	— 3	2	— 1	— 3	— 2	— 1	— 3	74
	6	1	2	— 1	— 6	— 3	0	3	— 1	— 1	0	— 1	— 1	68
	7	10	4	— 1	— 4	— 6	— 3	— 4	— 1	— 1	— 3	0	1	115
	8	8	4	— 6	— 20	— 13	— 8	— 9	— 3	4	4	4	4	225
	9	7	2	— 2	— 4	— 4	— 2	— 1	— 4	— 3	— 1	— 1	2	93
	10	2	7	3	4	— 2	— 3	— 3	— 3	— 2	— 2	— 2	— 2	79
	11	2	2	3	— 4	— 2	2	3	2	4	1	2	1	58
	12	1	0	2	— 3	— 3	— 2	— 3	— 2	1	1	3	3	60
	13	— 3	5	4	1	0	1	0	1	2	2	3	— 1	85
	14	1	5	2	3	— 3	— 1	— 1	— 2	— 10	— 4	2	1	100
	15	2	5	3	4	0	1	— 4	— 5	— 8	— 1	1	1	80
	16	— 6	0	2	6	1	0	0	2	0	— 2	— 6	— 1	112
	17	— 6	— 3	— 1	3	3	2	3	4	3	— 8	3	4	114
	18	— 6	— 5	1	2	5	3	1	1	1	0	1	1	76
	19	0	— 1	1	4	2	0	2	— 1	— 1	2	1	— 2	52
	20	— 3	— 10	— 7	2	6	6	1	0	1	2	2	3	68
	21	— 10	— 8	— 5	— 1	3	1	4	3	5	7	5	5	101
	22	— 7	— 11	— 1	1	6	4	8	1	3	3	4	0	67
	23	— 5	0	— 5	5	3	2	0	— 2	0	— 1	— 5	0	60
	24	— 5	— 7	0	— 2	— 1	— 2	4	2	2	2	2	2	73
	25	— 13	— 18	— 23	— 22	— 17	— 9	— 3	— 3	2	2	5	6	211
	26	2	2	— 3	— 1	— 4	— 1	13	2	3	4	2	— 5	88
	27	8	3	— 3	— 8	0	0	— 11	— 4	— 1	— 4	— 2	— 5	150
	28	— 1	4	2	6	1	— 1	0	2	1	— 11	1	— 5	81
	29	— 8	— 2	— 3	0	2	1	0	8	4	6	— 4	0	72
	30	— 4	— 6	— 4	2	0	— 2	5	6	2	3	2	2	70
	31	4	1	0	0	2	— 4	1	0	1	1	2	1	38

Hourly Amount.	163	138	105	136	102	77	108	75	80	86	86	71	2838
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HORIZONTAL FORCE. D.

DEVIATIONS. — UNITY = 0.00001 C. G. S.

Mean Batavia Time.	1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—	
DECEMBER.	1	—24	14	26	7	2	5	2	4	5	3	—13	—10	—
	2	5	7	6	8	6	3	2	2	—12	—13	—9	—2	—
	3	—4	5	9	—1	—2	—1	4	4	4	5	0	—1	—
	4	1	—2	5	8	5	—1	3	5	9	8	—5	—9	—
	5	3	—14	—2	—9	—1	—8	—2	—1	—1	0	—1	—2	—
	6	23	—4	—6	—6	—5	—3	2	4	—5	—1	—1	—4	—
	7	—3	1	1	4	0	4	—2	4	2	4	8	2	—
	8	12	11	1	10	11	14	9	8	10	—8	—16	—23	—
	9	1	—1	—2	—2	2	1	2	4	3	4	7	7	—
	10	—9	2	—1	—3	0	—2	—4	6	6	7	6	6	—
	11	—1	1	1	—1	0	1	1	—1	1	2	2	—4	—
	12	—16	—17	—3	—4	—12	5	—4	8	9	0	0	4	—
	13	—1	—6	0	—2	—3	—12	—5	—1	0	3	13	14	—
	14	—10	—6	—8	0	—1	2	1	7	7	3	—4	—9	—
	15	0	15	4	—3	—7	—3	2	0	—1	0	7	8	—
	16	4	—1	—7	3	1	—4	—11	—6	—1	—7	4	12	—
	17	—6	—1	0	—1	1	—1	—4	—7	0	1	1	3	—
	18	10	9	1	—7	—4	—4	—5	—5	0	2	8	—6	—
	19	—2	9	8	7	5	6	5	—12	—11	—9	6	—1	—
	20	—10	6	4	2	4	4	6	—1	—6	—10	1	—4	—
	21	—2	—6	—7	—5	5	—3	3	0	2	—1	4	7	—
	22	—10	—2	—8	—7	—8	—2	—3	—6	—5	—6	—1	2	—
	23	2	—2	—8	7	16	1	12	7	—4	0	—2	—8	—
	24	10	7	5	2	—5	3	0	—5	—4	—7	—7	—7	—
	25	—3	—4	—3	—4	—1	0	0	—3	—4	0	4	2	—
	26	—5	—7	—9	—6	—4	3	5	2	2	20	0	0	—
	27	18	—7	—9	—5	—17	—6	—12	—3	—4	—1	10	11	—
	28	18	6	0	—1	2	—1	—4	—8	—4	—2	2	1	—
	29	1	—7	—4	9	5	0	6	5	0	6	—18	5	—
	30	4	3	5	5	13	3	—3	—5	2	—4	—10	5	—
	31	—7	—9	—1	—2	—3	—4	—3	0	4	6	7	6	—

Hourly Amount.	225	192	154	141	151	110	127	134	128	143	177	185	—
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Mean Batavia Time.	1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily Amount.	
D E C E M B E R.	1	—18	—18	— 3	0	— 9	1	— 7	6	16	5	23	1	222
	2	— 1	2	—19	— 8	— 5	— 5	16	—25	12	2	12	4	186
	3	— 1	— 2	— 9	— 1	2	1	8	— 7	— 8	— 3	— 3	— 1	86
	4	— 6	— 5	— 5	0	— 2	— 3	6	3	— 2	7	5	27	132
	5	1	2	6	0	0	1	— 4	— 5	2	— 1	4	9	79
	6	— 4	— 3	3	2	— 9	—16	— 5	— 2	4	— 7	0	8	127
	7	2	— 2	4	2	3	— 3	—10	— 4	— 1	4	2	— 4	76
	8	—31	—23	—21	— 4	0	—12	5	7	1	3	9	10	259
	9	7	6	5	3	— 1	— 2	— 4	0	0	— 9	1	— 3	77
	10	— 4	— 5	— 9	— 5	— 3	0	1	3	1	0	1	— 3	87
	11	— 7	— 8	0	10	15	17	13	9	9	— 4	— 7	—17	132
	12	2	4	6	3	4	2	— 5	— 3	— 9	— 5	0	2	127
	13	7	7	9	12	9	6	7	8	7	—11	—21	—16	180
	14	4	1	2	— 8	— 5	0	5	1	2	9	— 1	— 3	99
	15	— 3	1	— 2	— 5	4	—11	— 8	5	—1	0	— 7	2	102
	16	10	18	10	1	2	— 1	0	2	— 1	— 2	0	— 5	113
	17	— 1	— 2	— 8	— 7	1	4	5	3	— 3	20	— 7	— 6	93
	18	2	0	3	— 1	1	4	— 7	—10	— 8	3	1	— 2	103
	19	7	4	2	— 2	— 1	2	3	6	— 4	— 7	— 4	— 3	126
	20	— 6	1	2	— 5	— 4	0	3	3	— 4	0	4	0	90
	21	8	3	— 1	8	11	5	0	2	2	— 6	11	—16	118
	22	7	17	14	17	— 2	—12	—13	— 3	2	— 1	2	11	161
	23	—11	— 8	0	— 7	— 9	4	9	3	— 8	— 6	9	11	154
	24	—10	— 5	— 4	— 5	2	3	4	6	3	2	3	— 1	110
	25	0	3	5	4	2	— 2	1	0	— 1	— 1	— 6	— 7	60
	26	1	— 3	4	9	19	28	—17	6	— 3	—22	— 5	— 5	185
	27	19	11	— 3	— 3	—17	—13	— 2	— 2	—10	16	— 7	12	218
	28	4	— 3	2	— 5	2	2	2	— 2	—12	22	—10	7	122
	29	12	— 1	7	2	— 9	—11	0	—16	6	—14	—11	— 9	164
	30	5	6	4	— 3	2	8	— 9	1	4	2	— 2	— 7	115
	31	5	3	— 4	— 2	— 3	2	— 1	2	0	3	3	4	84
Hourly Amount.	206	177	176	144	158	181	180	155	149	197	181	216	3987	

VERTICAL FORCE. D.
DEVIATIONS. — UNITY = 0.00001 C. G. S.

Mean Batavia Time.	1 A. M.	2	3	4	5	6	7	8	9	10	11	12		
DECEMBER.	1	— 6	—27	—37	—17	—13	—11	—12	—17	—20	—17	2	— 1	
	2	— 2	— 1	— 3	— 1	— 2	— 0	— 3	— 6	— 2	— 1	— 1	— 3	—
	3	— 6	— 2	— 1	— 3	— 1	— 1	— 3	— 3	— 2	— 1	— 3	— 0	—
	4	— 3	— 4	— 1	— 1	— 2	— 6	— 2	—11	—13	—11	— 8	— 3	—
	5	— 2	—10	— 5	— 5	— 0	— 2	— 4	— 8	— 1	— 1	— 2	— 3	—
	6	—10	— 9	— 8	— 4	— 5	— 3	— 2	— 6	— 2	— 2	— 0	— 5	—
	7	— 3	— 4	— 5	— 1	— 6	— 6	— 3	— 7	—10	—10	— 7	— 4	—
	8	— 2	— 5	— 2	— 0	— 1	— 6	— 1	— 0	— 0	— 5	— 3	— 4	—
	9	— 4	— 0	— 1	— 3	— 2	— 3	— 1	— 5	— 3	— 2	— 4	— 6	—
	10	— 3	— 1	— 2	— 0	— 0	— 5	— 5	— 6	— 6	— 5	— 1	— 1	—
	11	— 0	— 1	— 1	— 1	— 0	— 4	— 2	— 1	— 2	— 3	— 0	— 1	—
	12	— 8	— 5	— 2	— 0	— 6	— 2	— 5	— 0	— 5	— 5	— 5	— 4	—
	13	— 2	— 2	— 0	— 0	— 1	— 7	— 1	— 1	— 0	— 1	— 0	— 7	—
	14	—13	— 7	—10	— 8	— 9	—10	—12	— 6	— 5	— 7	—14	— 6	—
	15	— 2	—13	— 6	— 4	— 2	— 6	— 8	— 8	— 8	— 4	— 2	— 0	—
	16	— 3	— 3	— 8	— 0	— 2	— 3	—14	—13	—15	—16	— 8	—11	—
	17	— 6	— 0	— 3	— 0	— 1	— 3	— 6	—12	—12	—19	—13	— 4	—
	18	— 2	— 5	— 2	— 4	— 1	— 2	— 0	— 2	— 6	—11	— 6	— 7	—
	19	— 4	—10	—10	—10	—10	—11	— 8	—11	—15	—12	— 7	—13	—
	20	— 7	— 3	— 0	— 1	— 1	— 1	— 3	— 0	— 2	— 6	—10	— 1	—
	21	— 0	— 6	— 6	— 5	— 0	— 1	— 3	— 4	— 8	— 9	— 3	— 3	—
	22	— 8	— 2	— 4	— 4	— 6	— 2	— 4	— 3	— 7	— 6	— 5	— 2	—
	23	— 5	— 0	— 4	— 2	— 8	— 1	— 5	—13	—17	— 9	— 1	— 9	—
	24	— 4	— 1	— 3	— 0	— 3	— 1	— 7	— 8	— 9	—14	—14	— 4	—
	25	— 5	— 1	— 2	— 2	— 2	— 1	— 3	— 2	— 7	—21	— 8	— 1	—
	26	—15	— 5	— 3	— 8	— 2	— 9	— 4	—12	—15	—12	—12	— 3	—
	27	— 0	— 2	— 3	— 3	— 1	— 2	— 8	— 2	— 6	— 5	— 3	— 5	—
	28	— 9	— 0	— 2	— 3	— 1	— 1	— 3	— 5	— 3	— 5	— 5	— 5	—
	29	— 2	— 7	— 5	— 7	— 2	— 4	— 1	— 7	— 6	— 7	— 4	— 3	—
	30	— 4	— 3	— 3	— 5	— 5	— 1	— 6	— 1	— 4	— 2	— 1	— 6	—
	31	— 7	— 5	— 3	— 1	— 1	— 0	— 5	— 4	— 7	— 1	— 4	— 4	—

Hourly Amount.	147	144	145	103	96	115	142	182	220	228	156	129	—
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Mean Batavia Time.	1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily Amount	
DECEMBER.	1	3	14	12	12	5	— 3	— 2	— 4	— 8	— 2	—10	4	259
	2	— 4	— 9	1	— 1	0	4	— 4	15	— 1	2	— 4	1	71
	3	2	— 2	0	— 2	— 1	— 2	— 2	8	11	3	3	1	63
	4	1	2	4	3	2	1	1	0	2	— 2	— 1	— 9	93
	5	2	0	— 9	— 7	0	2	4	4	— 1	0	— 2	— 1	75
	6	6	5	— 3	— 3	4	3	1	2	— 4	4	1	— 5	102
	7	1	— 2	— 1	4	2	3	7	2	— 2	— 5	— 3	0	98
	8	13	19	22	14	1	4	— 8	— 8	— 7	— 7	— 8	— 7	147
	9	— 4	— 1	— 5	— 6	0	— 1	2	3	3	7	1	0	67
	10	6	1	5	3	4	3	1	— 1	— 1	1	1	1	63
	11	— 1	3	0	— 7	—12	— 8	— 5	0	1	7	6	11	77
	12	2	0	1	4	1	0	2	2	3	0	— 3	— 2	67
	13	— 4	— 3	1	0	3	— 2	— 4	— 4	— 2	9	16	13	83
	14	— 7	— 6	— 6	— 2	— 2	— 3	— 3	— 1	1	— 4	— 2	— 1	145
	15	8	10	9	8	0	2	2	— 6	— 5	— 4	0	— 3	120
	16	—20	—22	—16	— 3	0	— 2	— 3	— 3	0	— 2	2	3	172
	17	— 2	— 7	—12	— 7	— 8	— 8	— 7	— 5	1	— 9	8	2	155
	18	3	0	— 2	— 7	— 5	— 5	1	1	0	— 5	— 5	— 1	83
	19	12	9	4	8	7	— 2	— 2	— 3	4	1	— 2	1	176
	20	4	2	— 5	— 4	— 3	— 1	1	— 1	1	— 1	— 3	— 2	63
	21	—17	—11	1	2	— 2	0	1	— 1	— 2	2	— 6	9	102
	22	0	— 9	— 7	— 4	8	18	11	4	— 2	— 2	— 5	—12	135
	23	— 3	— 6	—17	— 7	— 4	— 3	— 4	— 1	8	9	— 5	— 5	146
	24	3	— 4	— 6	— 3	— 6	— 6	— 7	— 6	— 3	2	— 2	2	118
	25	4	15	10	1	— 4	—10	12	0	1	14	1	— 3	130
	26	5	1	3	1	— 4	— 1	— 1	— 1	2	— 3	2	4	128
	27	— 3	— 4	7	5	13	7	0	— 2	5	— 9	7	— 2	104
	28	2	5	4	0	— 2	— 2	— 2	0	7	—11	9	0	82
	29	4	7	6	4	5	8	1	13	— 3	4	6	3	119
	30	— 3	2	3	— 2	— 3	— 3	6	0	— 3	1	0	7	74
	31	— 3	— 4	— 2	0	4	— 1	— 1	— 2	— 2	— 3	— 3	— 4	71

Hourly Amount.	152	185	184	134	115	123	108	103	96	135	127	119	3388
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RESULTS OF METEOROLOGICAL OBSERVATIONS.

T A B L E 1. — Mean height of the Barometer in 1886.

Barometer at 0°C = 750^{mm} + the numbers in the Table.

Hours of mean Batavia time.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual Means.
	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.
1 a. m.	9.01	9.17	8.88	8.19	8.27	9.06	8.76	8.81	9.17	8.70	8.29	8.56	8.74
2	8.60	8.73	8.50	7.81	7.89	8.71	8.44	8.44	8.81	8.25	7.93	8.17	8.35
3	8.26	8.46	8.24	7.55	7.65	8.39	8.14	8.15	8.64	8.05	7.69	7.99	8.10
4	8.12	8.30	8.18	7.45	7.54	8.35	8.09	8.06	8.68	8.11	7.66	7.90	8.03
5	8.24	8.46	8.33	7.61	7.74	8.51	8.24	8.18	8.84	8.34	7.85	8.10	8.20
6	8.65	8.77	8.63	7.95	8.00	8.74	8.50	8.50	9.18	8.71	8.25	8.49	8.53
7	9.20	9.22	9.11	8.40	8.44	9.17	8.94	9.04	9.72	9.29	8.81	9.00	9.03
8	9.58	9.76	9.49	8.82	8.85	9.62	9.37	9.50	10.09	9.69	9.11	9.37	9.44
9	9.85	10.08	9.75	9.10	9.06	9.74	9.46	9.66	10.23	9.80	9.21	9.57	9.62
10	9.79	10.05	9.68	9.01	8.90	9.53	9.27	9.48	10.03	9.59	9.10	9.44	9.49
11	9.52	9.82	9.37	8.61	8.56	9.14	8.85	9.00	9.49	9.16	8.70	9.04	9.10
12	9.11	9.30	8.84	7.99	7.95	8.55	8.30	8.42	8.81	8.45	8.06	8.58	8.53
1 p. m.	8.45	8.60	8.08	7.35	7.36	7.96	7.68	7.74	8.21	7.69	7.36	8.03	7.87
2	7.77	7.91	7.42	6.79	6.89	7.37	7.13	7.15	7.61	7.09	6.74	7.43	7.27
3	7.18	7.39	6.99	6.39	6.51	6.99	6.83	6.78	7.23	6.80	6.39	7.05	6.87
4	7.05	7.12	7.00	6.36	6.48	7.01	6.83	6.76	7.09	6.82	6.56	6.95	6.83
5	7.26	7.31	7.27	6.71	6.86	7.30	7.07	7.03	7.40	7.25	6.95	7.26	7.14
6	7.78	7.80	7.85	7.14	7.29	7.68	7.39	7.47	7.89	7.84	7.53	7.78	7.62
7	8.37	8.43	8.45	7.65	7.78	8.25	7.94	8.04	8.54	8.36	8.11	8.40	8.19
8	8.91	8.95	8.96	8.27	8.26	8.82	8.51	8.68	9.11	8.92	8.60	8.98	8.75
9	9.39	9.55	9.36	8.67	8.68	9.26	8.98	9.13	9.55	9.35	8.98	9.38	9.19
10	9.62	9.91	9.58	8.89	8.94	9.46	9.15	9.35	9.85	9.56	9.18	9.49	9.41
11	9.57	9.91	9.56	8.91	8.86	9.45	9.15	9.38	9.90	9.47	9.10	9.48	9.39
12	9.30	9.66	9.27	8.66	8.67	9.35	9.07	9.22	9.59	9.10	8.73	9.12	9.14
Monthly Means:	8.69	8.86	8.62	7.93	7.98	8.60	8.34	8.42	8.90	8.52	8.12	8.48	8.45

T A B L E 2. — Mean Temperature of the Air in 1886.

Centesimal degrees.

Hours of mean Batavia Time.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual means.
1 a. m.	24.37	24.10	24.56	24.47	24.77	24.46	24.31	24.07	24.41	24.46	24.01	24.01	24.33
2	24.22	23.96	24.33	24.25	24.58	24.15	23.98	23.74	24.10	24.24	23.82	23.89	24.11
3	24.05	23.84	24.14	24.05	24.32	23.94	23.68	23.51	23.87	23.98	23.64	23.75	23.90
4	23.86	23.73	24.01	23.86	24.14	23.73	23.44	23.26	23.60	23.75	23.51	23.61	23.71
5	23.75	23.60	23.91	23.69	23.96	23.49	23.20	23.04	23.34	23.60	23.36	23.43	23.53
6	23.61	23.53	23.80	23.53	23.78	23.25	22.97	22.85	23.18	23.46	23.30	23.36	23.39
7	23.97	23.67	24.06	23.85	24.08	23.37	23.12	23.11	23.68	24.14	23.92	23.83	23.73
8	25.02	24.41	24.89	25.06	25.26	24.43	24.31	24.34	25.35	25.68	25.28	24.78	24.90
9	26.30	25.33	26.08	26.59	26.84	25.96	26.18	26.20	27.29	27.24	26.83	25.93	26.40
10	27.35	26.20	27.01	27.94	28.12	27.25	27.83	27.73	28.80	28.52	28.01	26.81	27.64
11	27.97	26.74	27.61	28.73	29.16	28.21	29.01	28.95	29.65	29.48	28.94	27.58	28.51
12	28.29	27.14	27.92	29.35	29.59	29.05	29.61	29.76	30.27	29.87	29.39	28.01	29.03
1 p. m.	28.58	27.35	28.03	29.35	29.86	29.41	29.99	29.96	30.14	29.79	29.47	27.93	29.17
2	28.36	27.40	28.20	28.98	29.52	29.45	29.90	29.83	29.98	29.52	29.37	27.80	29.03
3	27.96	27.31	28.20	28.80	29.48	29.40	29.65	29.57	29.62	29.23	28.97	27.40	28.81
4	27.67	27.28	27.93	28.65	29.14	28.94	29.16	29.09	29.27	28.71	27.86	26.94	28.40
5	27.36	26.99	27.26	28.20	28.52	28.27	28.54	28.43	28.72	27.83	27.30	26.57	27.84
6	26.89	26.52	26.64	27.42	27.51	27.32	27.67	27.68	28.05	26.94	26.44	25.95	27.09
7	26.15	25.83	26.07	26.75	26.61	26.55	26.86	26.94	27.52	26.37	25.77	25.40	26.41
8	25.74	25.42	25.66	26.17	26.11	26.02	26.33	26.27	26.76	25.97	25.30	25.12	25.91
9	25.37	25.14	25.11	25.71	25.74	25.62	25.84	25.82	26.13	25.59	24.96	24.80	25.51
10	25.03	24.92	25.14	25.38	25.47	25.27	25.40	25.30	25.64	25.25	24.71	24.51	25.18
11	24.80	24.63	24.92	25.03	25.24	24.99	25.00	24.86	25.19	24.95	24.48	24.33	24.87
12	24.59	24.36	24.76	24.73	24.99	24.74	24.63	24.45	24.83	24.70	24.30	24.16	24.61
Monthly Means.	25.89	25.40	25.85	26.27	26.53	26.14	26.28	26.20	26.64	26.39	25.95	25.41	26.09

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TABLE 3. — Mean relative Humidity of the Air in 1886.

Saturation = 1000.

Hours of mean Batavia time.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual means.
1 a. m.	933	940	942	922	925	925	896	873	880	889	918	916	913
2	938	939	945	925	933	934	904	880	885	894	926	917	918
3	942	943	951	930	939	934	911	884	888	900	931	916	922
4	943	945	950	934	942	937	915	888	894	909	933	922	926
5	949	942	954	940	944	937	918	884	899	915	937	931	929
6	949	943	956	941	948	938	919	883	899	915	937	935	930
7	946	944	953	931	938	928	909	870	881	883	915	922	918
8	904	930	921	889	887	890	863	827	817	815	856	879	873
9	852	894	880	824	814	831	788	746	719	748	781	836	809
10	796	861	834	760	759	766	697	676	640	682	726	793	718
11	768	840	810	725	712	731	641	623	606	648	688	759	712
12	760	817	795	700	699	697	615	593	595	647	666	742	693
1 p. m.	745	796	786	711	695	694	613	602	616	664	674	745	694
2	752	787	777	738	719	710	631	618	622	683	682	752	705
3	772	795	776	747	721	707	637	634	636	698	715	768	717
4	784	794	777	750	741	738	662	653	645	718	756	792	731
5	800	815	812	774	775	783	693	688	669	758	791	809	764
6	825	851	849	799	829	827	741	725	709	798	823	833	801
7	869	885	884	829	864	867	792	771	750	825	853	861	837
8	882	901	904	856	886	875	815	809	790	837	868	875	858
9	891	917	918	878	900	889	810	826	816	852	882	886	874
10	908	922	928	891	908	898	858	812	834	865	894	900	887
11	917	928	932	896	917	903	871	854	854	876	905	907	896
12	925	933	939	907	922	909	883	863	862	884	912	912	904
Monthly means.	865	886	882	842	847	844	792	771	767	804	832	855	832

TABLE 4. — Mean Tension of the Atmospheric vapour in 1886.

Hours of mean Batavia time.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual means.
1 a. m.	21.28	21.06	21.75	21.15	21.49	21.07	20.21	19.36	19.94	20.22	20.36	20.27	20.68
2	21.19	20.89	21.51	20.96	21.39	20.89	20.01	19.15	19.68	20.06	20.29	20.15	20.51
3	21.06	20.82	21.39	20.81	21.22	20.65	19.81	18.96	19.47	19.89	20.18	19.98	20.35
4	20.88	20.70	21.21	20.68	21.05	20.44	19.63	18.77	19.29	19.83	20.08	19.91	20.20
5	20.85	20.48	21.15	20.56	20.88	20.17	19.40	18.45	19.12	19.77	20.00	19.90	20.06
6	20.69	20.41	21.07	20.40	20.73	19.91	19.17	18.24	18.94	19.59	19.93	19.91	19.91
7	21.04	20.59	21.32	20.58	20.88	19.85	19.15	18.29	19.17	19.77	20.27	20.26	20.09
8	21.44	21.22	21.63	21.17	21.25	20.31	19.53	18.78	19.74	20.04	20.59	20.44	20.51
9	21.71	21.58	22.17	21.44	21.46	20.81	19.98	18.96	19.49	20.18	20.69	20.75	20.76
10	21.55	21.80	22.17	21.37	21.54	20.69	19.48	18.77	18.94	19.78	20.51	20.70	20.60
11	21.59	21.93	22.22	21.33	21.46	20.82	19.17	18.56	18.82	19.87	20.48	20.70	20.57
12	21.70	21.80	22.17	21.30	21.61	20.90	19.01	18.47	19.12	20.29	20.32	20.66	20.60
1 p. m.	21.63	21.53	22.11	21.55	21.81	21.18	19.39	19.00	19.59	20.67	20.65	20.70	20.81
2	21.53	21.35	22.06	21.88	22.03	21.72	19.85	19.30	19.61	20.91	20.76	20.81	20.98
3	21.61	21.43	22.02	21.92	22.05	21.58	19.77	19.54	19.57	21.01	21.18	20.69	21.03
4	21.58	21.41	21.75	21.82	22.26	21.95	19.90	19.58	19.47	20.96	20.96	20.79	21.03
5	21.61	21.60	21.86	21.96	22.45	22.41	20.10	19.83	19.59	21.02	21.20	20.78	21.20
6	21.74	21.94	22.10	21.70	22.64	22.39	20.40	19.99	19.94	20.95	21.01	20.68	21.28
7	21.97	21.94	22.23	21.67	22.36	22.37	20.77	20.28	20.43	20.95	20.94	20.67	21.38
8	21.81	21.85	22.28	21.69	22.25	21.87	20.74	20.44	20.59	20.79	20.73	20.68	21.31
9	21.56	21.87	22.27	21.68	22.14	21.69	20.76	20.36	20.51	20.69	20.68	20.56	21.23
10	21.57	21.70	22.17	21.59	22.00	21.49	20.66	20.15	20.37	20.62	20.64	20.53	21.12
11	21.48	21.47	21.99	21.27	21.90	21.27	20.48	19.91	20.32	20.52	20.65	20.46	20.97
12	21.39	21.27	21.91	21.18	21.71	21.09	20.33	19.62	20.06	20.41	20.57	20.38	20.82
Monthly means.	21.44	21.36	21.85	21.32	21.69	21.15	19.90	19.28	19.66	20.37	20.57	20.47	20.75

TABLE 5. — Hourly, monthly and annual means of the recorded velocity of the wind for the year 1886.

Hours of mean Batavia time.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual means.
	k. p. h.	k. p. h.	k. p. h.	k. p. h.	k. p. h.	k. p. h.	k. p. h.	k. p. h.	k. p. h.	k. p. h.	k. p. h.	k. p. h.	k. p. h.
1 a. m.	1.11	1.11	1.50	1.25	1.29	0.77	0.83	1.32	0.29	0.21	0.37	1.45	0.96
2	1.03	0.97	1.70	1.49	0.80	0.99	0.98	1.83	0.43	0.10	0.45	1.78	1.05
3	0.95	1.06	1.55	1.87	0.59	0.96	1.08	1.81	0.70	0.15	0.75	1.96	1.12
4	1.03	1.09	1.32	1.28	0.31	0.53	0.70	1.68	0.48	0.13	0.51	1.34	0.87
5	0.95	1.03	1.16	1.28	0.39	0.32	1.03	1.83	0.35	0.34	0.45	1.47	0.88
6	1.16	1.17	1.63	1.39	0.54	0.59	1.55	2.17	0.40	0.36	0.96	1.39	1.11
7	1.78	1.77	2.09	2.24	0.98	1.28	2.17	2.43	1.23	1.14	1.60	2.37	1.76
8	2.53	2.86	2.97	3.52	1.88	2.56	3.72	3.44	1.92	1.63	1.92	3.15	2.68
9	3.38	4.69	4.31	6.09	3.85	4.17	5.56	4.73	3.69	2.53	4.06	5.25	4.36
10	4.70	6.53	5.56	7.98	5.62	6.06	8.06	4.60	4.86	3.85	5.13	6.68	5.80
11	6.37	8.28	7.05	8.50	7.28	7.15	8.75	5.75	5.67	4.71	6.13	8.20	6.99
12	8.82	9.55	8.23	9.39	7.86	7.83	9.16	7.42	9.12	7.82	7.53	8.83	8.46
1 p. m.	9.59	9.84	9.34	10.65	10.17	8.99	11.48	10.45	11.71	9.95	9.39	10.31	10.16
2	10.19	9.90	9.56	9.90	10.74	10.02	13.95	12.05	13.16	10.68	10.23	10.21	10.88
3	8.45	8.89	9.25	8.88	10.63	10.71	15.09	12.97	12.62	9.79	9.23	8.01	10.38
4	6.50	7.64	7.68	7.88	9.92	10.21	13.72	12.14	10.53	8.56	6.72	6.72	9.02
5	5.20	5.64	4.96	5.48	6.84	7.75	10.24	9.06	7.53	5.73	4.43	5.11	6.50
6	2.87	2.37	3.00	3.61	3.41	4.06	6.16	4.63	2.48	3.00	3.75	3.46	3.57
7	1.89	1.71	2.72	2.75	2.36	2.40	3.41	1.60	0.56	1.47	3.02	2.74	2.22
8	1.65	1.34	1.88	2.30	1.32	1.50	1.91	1.34	0.40	0.83	2.21	2.27	1.58
9	1.11	1.49	1.91	2.05	1.16	0.77	1.37	1.08	0.43	0.28	1.28	2.22	1.26
10	0.77	1.23	2.12	1.95	1.34	0.91	1.14	1.65	0.35	0.08	0.93	1.96	1.20
11	1.24	1.11	2.12	1.76	1.37	0.83	1.32	1.63	0.48	0.23	0.56	1.78	1.20
12	1.32	0.83	1.60	1.49	1.39	0.80	1.19	1.70	0.43	0.31	0.53	1.89	1.12
Monthly means.	3.52	3.84	3.97	4.37	3.84	3.84	5.19	4.55	3.74	3.08	3.42	4.19	3.96

TABLE 6. — Hourly and monthly means of the four components of the wind in the year 1886.

Velocity in kilometers per hour.

Hours of mean Batavia time.	January.				February.				March.			
	N	E	S	W	N	E	S	W	N	E	S	W
1 a. m.	0.46	—	0.11	0.76	0.68	—	0.03	0.58	0.53	0.32	0.33	0.59
2	0.47	0.02	0.09	0.70	0.60	—	0.02	0.63	0.56	0.47	0.46	0.65
3	0.40	0.02	0.07	0.64	0.66	—	0.08	0.60	0.40	0.35	0.54	0.69
4	0.55	—	0.11	0.68	0.57	—	0.09	0.69	0.31	0.32	0.62	0.45
5	0.43	—	0.14	0.62	0.67	—	0.06	0.57	0.36	0.30	0.58	0.22
6	0.51	0.06	0.16	0.66	0.65	—	0.04	0.81	0.60	0.45	0.57	0.38
7	0.73	0.17	0.45	0.92	1.01	—	—	1.11	0.65	0.49	0.70	0.72
8	0.85	0.33	0.52	1.48	1.68	0.08	—	1.79	0.78	0.94	0.96	1.04
9	1.12	0.39	0.83	1.91	2.40	0.24	0.16	3.34	1.23	1.56	1.18	1.55
10	1.94	1.00	0.63	2.59	4.01	0.32	0.14	4.33	2.79	1.96	0.40	1.97
11	4.30	0.98	0.22	2.44	6.12	0.18	0.07	4.79	4.86	1.75	0.23	1.91
12	6.69	2.02	—	2.31	7.29	0.26	—	4.93	6.42	2.68	0.07	1.10
1 p. m.	7.69	1.07	—	2.60	7.69	—	0.11	5.12	7.88	3.09	0.09	0.93
2	8.55	2.01	—	2.38	8.17	0.22	0.12	4.07	8.48	1.92	0.09	1.04
3	6.90	1.19	—	1.95	7.52	0.27	—	3.51	7.77	2.19	0.28	1.25
4	4.93	0.62	—	1.83	6.76	0.07	—	2.39	6.08	0.98	0.62	1.51
5	3.56	0.37	0.25	1.62	4.32	—	0.19	2.52	3.43	0.63	0.68	1.29
6	1.63	0.26	0.64	0.92	1.74	—	0.19	1.08	1.39	0.40	0.85	1.07
7	0.73	0.03	0.66	0.94	1.27	0.07	0.09	0.67	0.83	0.50	1.10	1.02
8	0.76	0.08	0.49	0.69	0.80	0.04	0.07	0.83	0.34	0.51	0.67	0.79
9	0.72	0.02	0.21	0.41	0.96	0.04	0.02	0.88	0.40	0.53	0.71	0.79
10	0.38	—	0.12	0.44	0.87	0.04	0.02	0.61	0.55	0.58	0.73	0.77
11	0.57	—	0.32	0.66	0.48	—	0.13	0.77	0.58	0.55	0.65	0.82
12	0.59	—	0.27	0.71	0.32	—	0.09	0.56	0.49	0.45	0.45	0.61
Monthly means.	2.31	0.44	0.26	1.29	2.80	0.08	0.07	1.97	2.40	1.00	0.57	0.97

TABLE 6. — Continued.

Hours of mean Batavia time.	April.				May.				June.			
	N	E	S	W	N	E	S	W	N	E	S	W
1 a. m.	0.33	0.25	0.13	0.80	0.17	0.66	0.53	0.25	0.13	0.32	0.29	0.29
2	0.39	0.30	0.14	0.98	0.13	0.37	0.38	0.14	0.27	0.44	0.22	0.32
3	0.61	0.42	0.20	1.12	0.14	0.36	0.23	0.03	0.26	0.35	0.41	0.17
4	0.38	0.33	0.12	0.73	0.08	0.16	0.13	0.05	0.18	0.20	0.19	0.11
5	0.37	0.33	0.34	0.61	0.12	0.07	0.18	0.14	0.06	0.17	0.08	0.10
6	0.44	0.31	0.26	0.72	0.20	0.20	0.19	0.14	0.12	0.30	0.21	0.16
7	0.53	0.64	0.30	1.23	0.32	0.37	0.30	0.25	0.27	0.69	0.51	0.19
8	0.67	1.20	0.69	1.78	0.46	0.72	0.84	0.33	0.38	1.40	1.15	0.39
9	1.17	2.28	1.32	2.82	0.43	2.42	1.78	0.42	0.17	2.01	2.61	0.62
10	1.14	3.29	1.59	3.87	0.39	4.41	1.91	0.37	0.57	5.93	1.52	0.30
11	1.68	3.59	0.58	4.29	1.40	5.72	2.04	0.37	0.40	4.09	2.63	0.36
12	4.07	3.74	0.17	3.82	2.21	6.64	0.93	0.14	1.94	6.22	1.31	0.28
1 p. m.	6.91	3.43	0.08	3.17	5.33	7.77	—	—	3.76	6.80	0.91	0.13
2	6.83	3.13	—	3.02	7.45	5.89	0.25	—	5.96	5.99	0.42	0.22
3	5.87	2.53	—	3.04	6.98	6.13	—	0.13	6.09	7.16	—	—
4	4.37	2.17	0.36	3.26	6.67	5.95	—	—	5.82	7.50	—	—
5	2.54	1.75	0.16	2.39	4.05	4.02	—	0.29	3.41	5.54	0.42	0.30
6	1.57	0.92	0.46	1.84	1.30	1.79	0.67	0.56	1.40	3.12	0.39	0.27
7	0.89	0.52	0.41	1.62	0.18	0.94	1.12	0.67	0.55	1.79	0.27	0.29
8	0.69	0.32	0.28	1.56	0.12	0.37	0.84	0.32	0.21	0.99	0.45	0.24
9	0.60	0.39	0.30	1.26	0.18	0.45	0.55	0.28	0.12	0.40	0.29	0.14
10	0.62	0.42	0.20	1.18	0.15	0.74	0.73	0.12	0.17	0.49	0.36	0.12
11	0.55	0.37	0.19	1.12	0.27	0.89	0.51	0.05	0.27	0.46	0.15	0.16
12	0.44	0.27	0.14	1.01	0.43	0.68	0.55	0.02	0.19	0.45	0.23	0.17
Monthly means.	1.82	1.37	0.35	1.97	1.63	2.41	0.61	0.21	1.36	2.62	0.63	0.22

TABLE 6. — Continued.

Hour of mean Batavia time.	July.				August.				September.				
	N	E	S	W	N	E	S.	W	N	E	S	W	
1 a. m.	0.13	0.67	0.21	—	0.40	0.35	0.64	0.23	0.07	0.04	0.10	0.19	
2	0.25	0.75	0.24	—	0.65	0.54	0.79	0.31	0.11	0.11	0.19	0.15	
3	0.29	0.88	0.22	—	0.53	0.45	0.92	0.28	0.18	0.17	0.42	0.15	
4	0.13	0.58	0.16	—	0.37	0.27	1.10	0.34	0.08	0.11	0.33	0.12	
5	0.28	0.83	0.11	—	0.54	0.30	1.08	0.32	0.12	0.11	0.11	0.10	
6	0.52	0.89	0.45	0.13	0.41	0.47	1.25	0.55	0.14	0.15	0.14	0.08	
7	0.60	1.28	0.63	0.24	0.37	0.59	1.46	0.62	0.38	0.34	0.58	0.21	
8	0.45	2.16	1.76	0.38	0.68	0.81	2.02	0.90	—	0.57	1.52	0.18	
9	0.23	3.50	2.64	0.62	0.15	1.26	3.10	1.44	0.19	1.34	2.37	0.66	
10	0.29	5.52	3.43	0.47	0.20	1.87	2.67	0.92	0.34	2.60	2.53	0.61	
11	0.88	7.05	1.89	0.74	1.12	3.60	1.58	0.72	1.66	3.62	1.43	0.36	
12	2.29	6.93	1.44	0.60	2.82	4.97	1.39	0.65	5.89	4.88	0.29	0.19	
1 p. m.	5.75	7.89	0.31	0.44	7.91	5.22	0.05	0.25	10.18	4.16	0.11	0.15	
2	8.82	7.96	0.26	0.24	9.32	5.92	0.24	0.03	11.27	5.52	—	—	
3	9.66	9.46	—	0.39	10.65	6.21	—	—	10.62	5.76	0.05	0.07	
4	8.41	9.22	—	0.26	9.55	5.90	—	0.30	8.46	5.37	—	0.12	
5	5.89	7.20	—	0.10	6.52	4.71	0.13	0.42	5.47	4.31	0.21	0.20	
6	2.96	4.29	0.27	0.13	2.81	2.34	0.54	0.10	1.77	1.50	—	0.03	
7	1.34	2.50	0.07	0.18	0.84	1.03	0.11	0.03	0.37	0.25	0.02	0.09	
8	0.75	1.36	0.07	0.09	0.39	0.44	0.68	0.11	0.08	0.02	0.21	0.22	
9	0.48	0.97	0.17	0.09	0.41	0.35	0.34	0.26	0.07	0.06	0.21	0.25	
10	0.32	0.94	0.11	0.05	0.44	0.50	0.79	0.39	0.09	0.04	0.15	0.20	
11	0.31	1.20	0.03	—	0.51	0.45	0.74	0.37	0.22	0.11	0.14	0.13	
12	0.27	1.07	0.05	—	0.51	0.51	0.77	0.40	0.12	0.03	0.19	0.20	
Monthly means.	2.14	3.55	0.61	0.21	2.42	2.04	0.93	0.41	2.41	1.72	0.47	0.19	

TABLE 6. — Continued.

Hours of mean Batavia time.	October.				November.				December.				
	N.	E.	S.	W.	N.	E.	S.	W.	N.	E.	S.	W.	
1 a. m.	0.02	0.06	0.14	0.03	0.08	0.03	0.06	0.25	0.20	0.29	0.29	1.02	
2	—	—	0.10	0.02	0.12	0.04	0.10	0.28	0.37	0.29	0.29	1.30	
3	0.04	0.02	0.10	0.03	0.21	0.02	0.25	0.45	0.60	0.08	0.22	1.43	
4	0.03	—	0.09	0.05	0.12	0.02	0.20	0.29	0.51	0.06	0.14	1.00	
5	0.06	0.02	0.09	0.19	0.14	0.08	0.10	0.23	0.31	0.08	0.28	1.10	
6	0.07	0.02	0.20	0.16	0.26	0.10	0.18	0.61	0.35	0.06	0.24	1.09	
7	0.11	0.36	0.69	0.29	0.27	0.10	0.51	1.05	0.38	0.08	0.42	1.91	
8	0.11	0.43	0.96	0.60	0.26	0.21	0.80	1.09	0.76	0.09	0.74	2.40	
9	0.20	0.82	1.56	0.64	0.44	0.85	1.38	2.35	1.54	0.26	0.49	4.08	
10	0.60	1.70	1.54	0.91	1.04	1.49	1.51	2.44	2.53	0.05	0.84	5.16	
11	1.52	2.36	1.31	0.61	2.06	2.09	1.66	1.97	4.01	0.37	0.50	5.58	
12	6.22	2.82	0.24	0.48	4.17	2.52	1.16	1.46	5.57	0.52	0.48	4.40	
1 p. m.	8.35	3.77	0.15	0.54	6.47	3.91	0.56	1.07	8.04	0.25	0.07	4.21	
2	8.28	5.64	0.10	—	7.13	3.80	0.52	1.48	7.68	0.70	—	3.96	
3	7.93	4.09	0.05	0.18	7.83	2.34	0.10	0.95	5.61	1.00	0.05	3.01	
4	5.47	4.49	0.21	0.75	4.13	1.89	0.71	2.04	3.34	0.47	0.96	3.23	
5	3.47	2.45	0.74	0.76	2.56	0.56	0.63	1.66	2.05	0.32	0.92	2.88	
6	1.10	0.98	1.27	0.51	0.68	0.33	1.86	1.81	1.14	0.46	0.66	1.93	
7	0.26	0.45	0.86	0.33	0.48	0.28	1.67	1.43	1.01	0.26	0.51	1.78	
8	0.11	0.25	0.51	0.10	0.46	0.35	1.16	0.87	0.68	0.11	0.22	1.76	
9	0.05	0.01	0.23	0.02	0.28	0.14	0.59	0.55	0.52	0.13	0.50	1.65	
10	0.01	—	0.04	0.05	0.16	0.14	0.44	0.41	0.59	0.15	0.30	1.41	
11	0.11	0.07	0.07	0.05	0.10	0.05	0.19	0.35	0.35	0.18	0.49	1.25	
12	0.04	0.06	0.21	0.09	0.10	0.01	0.16	0.34	0.42	0.16	0.20	1.41	
Monthly means.	1.84	1.29	0.48	0.31	1.65	0.89	0.69	1.06	2.02	0.26	0.41	2.46	

T A B L E 7. — Daily means of the North and East components of the wind in 1886.

Velocity in kilometers per hour.

	January.		February.		March.		April.		May.		June.		July.		August.		September.		October.		November.		December.	
	N	E	N	E	N	E	N	E	N	E	N	E	N	E	N	E	N	E	N	E	N	E	N	E
1	3.01	-1.51	2.79	-2.26	2.53	-1.09	0.40	3.46	2.22	0.02	0.36	4.63	-1.55	9.30	1.77	2.88	0.11	0.69	2.32	0.95	0.61	0.96	-0.16	-0.65
2	1.32	-1.96	3.85	-1.92	3.04	-1.32	2.61	3.00	-0.74	1.95	1.21	2.27	-0.94	7.26	1.45	5.48	1.31	4.27	2.55	0.61	-0.73	3.71	0.89	1.78
3	2.92	-1.96	1.43	-2.74	1.39	-1.14	2.26	1.17	-0.34	4.57	-0.30	0.57	0.07	4.16	2.07	3.32	1.81	2.31	2.17	2.42	1.79	-0.03	-0.07	0.58
4	0.55	-3.89	3.44	-2.54	0.68	-0.07	2.61	0.98	0.17	3.90	0.65	1.56	1.64	1.48	0.59	0.91	1.22	1.90	2.81	1.86	1.56	0.11	1.54	-2.05
5	1.84	-2.79	3.22	-3.54	-1.19	2.00	0.34	-2.73	1.85	0.58	1.28	3.22	4.03	0.37	2.48	-0.28	1.54	1.39	0.80	0.89	0.59	-0.51	1.00	-3.85
6	0.43	-3.79	1.03	-3.79	0.38	1.30	2.22	-0.75	1.04	0.56	-0.16	4.95	-0.59	4.82	1.42	1.78	2.17	1.61	0.09	-0.94	0.19	0.04	3.08	-2.47
7	0.72	-3.14	2.66	-3.13	-0.50	-1.23	2.41	3.38	1.38	3.21	-0.67	-0.11	1.34	2.24	2.97	0.59	2.53	0.46	1.81	1.92	0.94	0.79	1.14	-4.09
8	2.67	-0.15	1.33	-2.41	2.53	1.60	1.45	4.06	2.30	3.54	0.51	1.05	2.41	1.33	2.19	1.82	1.40	-0.86	1.22	2.09	2.29	1.34	2.66	-1.86
9	1.40	-0.32	1.37	-1.69	4.36	-0.34	1.53	1.46	2.97	3.60	1.42	2.33	2.04	2.01	1.16	0.65	1.88	1.43	2.52	1.64	0.56	-1.21	1.81	-3.64
10	2.42	1.20	3.65	-0.83	2.18	-2.15	2.75	2.36	1.31	1.84	0.65	1.27	1.17	1.36	0.06	-1.52	3.36	2.10	2.72	1.83	0.83	-1.33	1.22	-6.46
11	2.86	-0.61	3.56	-1.62	1.63	-0.68	-0.19	5.23	1.68	3.60	-0.43	2.33	1.78	2.72	0.70	-0.46	2.56	1.80	0.27	1.18	-0.22	-2.51	0.11	-6.33
12	4.72	0.96	3.91	-2.15	3.52	-1.34	0.65	4.16	1.15	1.68	0.99	1.02	1.20	3.32	2.65	3.67	2.42	0.63	0.59	3.86	0.05	-2.74	-0.49	-5.41
13	0.76	-1.18	3.76	-2.28	3.11	0.65	0.09	2.92	1.44	0.37	0.26	2.49	1.06	5.42	0.89	2.52	1.49	0.95	1.31	-0.18	-0.10	-3.12	-0.61	-3.94
14	2.67	-1.45	3.42	-3.11	0.78	1.72	0.01	-0.94	0.87	1.42	1.45	2.84	2.41	4.91	1.08	2.60	2.15	1.48	0.40	1.29	0.32	-2.23	1.57	-5.23
15	4.16	-0.63	4.01	-1.29	2.10	3.08	1.32	0.67	1.11	2.49	-0.43	4.15	-1.23	6.82	2.80	3.05	1.89	0.57	0.97	-0.23	-1.81	-2.87	2.20	-1.55
16	1.80	-0.61	3.79	-1.29	3.07	-0.02	1.60	-2.56	0.72	0.15	0.24	0.74	2.30	1.15	2.51	2.74	1.49	0.90	1.29	0.96	1.08	-2.00	1.38	-4.73
17	2.77	0.88	3.22	-2.42	0.24	-1.74	2.07	-6.72	0.92	0.35	2.44	2.53	2.26	1.24	1.88	2.79	1.75	1.77	-0.42	-0.27	1.72	-1.17	1.67	-2.52
18	1.55	2.05	2.19	-1.88	1.29	0.51	1.88	-6.93	0.98	3.56	2.38	1.75	0.63	-2.61	1.83	2.96	1.85	3.34	1.23	0.79	1.98	2.52	3.56	-2.86
19	1.61	1.86	2.15	-0.98	3.56	0.78	3.91	-5.67	-0.26	5.83	-0.49	2.78	2.97	4.54	2.16	-0.51	2.51	1.25	2.10	3.13	3.57	2.43	3.85	-3.17
20	1.75	-0.68	2.72	-0.08	1.29	-3.29	1.75	-4.58	0.55	4.53	2.04	2.98	1.34	6.40	0.36	-0.68	-0.14	0.55	1.18	0.23	3.30	0.27	0.37	-2.71
21	2.05	0.46	2.47	-2.38	3.35	-0.48	1.95	-2.43	-1.05	4.65	1.44	-0.50	-0.08	7.31	0.86	1.73	2.90	2.42	1.91	0.61	0.83	-0.42	1.98	-3.84
22	2.79	0.88	2.33	-1.61	2.23	-1.62	0.99	-3.01	-0.02	3.46	1.18	1.97	2.45	3.29	2.64	1.40	2.64	2.10	1.90	-0.29	0.85	-0.31	2.09	-0.74
23	2.29	-0.40	1.87	-1.30	2.03	3.78	-0.23	-3.32	1.71	2.07	1.40	1.65	2.56	3.05	2.40	2.56	1.40	1.85	0.19	-0.08	1.33	0.27	2.10	0.68
24	2.78	0.50	3.11	-1.45	1.36	-0.08	0.07	-2.97	1.57	1.30	2.26	2.11	2.40	2.48	-1.46	-0.34	2.54	3.13	0.95	-0.35	1.57	0.06	4.47	-0.02
25	3.13	1.32	2.64	-1.43	2.16	1.33	0.77	-2.81	1.43	-0.54	0.33	1.43	2.18	0.17	-1.01	-1.13	1.94	1.15	1.00	0.82	0.18	2.10	3.15	-1.00
26	3.15	-0.25	2.68	0.17	3.07	-0.52	0.56	-4.47	1.76	0.25	1.69	2.65	3.31	2.59	1.15	0.71	2.76	1.35	1.39	1.53	0.19	1.92	2.77	-0.43
27	1.31	-1.33	2.02	-1.85	0.57	-1.53	1.33	-2.37	1.33	0.76	1.36	2.54	3.60	3.36	2.39	2.26	2.44	0.92	0.50	1.87	2.10	-0.40	1.13	-0.77
28	2.31	-0.48	1.82	-1.10	1.13	-0.46	1.74	-2.28	0.99	1.13	0.14	5.12	1.85	5.54	2.03	0.67	3.09	1.65	1.14	0.80	1.07	-1.25	1.60	-1.41
29	1.31	-2.31			1.05	-1.29	3.17	1.32	0.34	1.33	-1.27	5.60	1.87	4.29	1.32	0.63	2.22	1.58	1.70	1.09	1.56	0.31	2.03	-0.07
30	0.55	-1.57			2.14	0.45	2.10	2.42	0.99	3.45	0.17	3.92	2.55	3.39	1.90	4.55	1.33	1.21	2.01	0.91	0.71	0.11	0.00	1.08
31	-0.01	-5.26			1.94	4.15			1.28	2.42			0.50	-0.43	0.91	3.16			1.72	-0.60			2.04	-0.33
Means.	2.05	-0.84	2.73	-1.89	1.84	0.03	1.47	-0.60	1.02	2.19	0.74	2.39	1.53	3.33	1.49	1.63	1.95	1.53	1.37	0.98	0.96	-0.17	1.62	-2.19

TABLE 8. — Hourly, monthly and annual mean amount of cloud in 1886.
A sky free from cloud is represented by 0, entirely overcast by 10.

Hours of mean Batavia time.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Year.
1 a. m.	6.5	7.3	8.4	5.5	6.0	5.8	4.7	4.5	5.1	5.9	6.5	8.0	6.18
2	6.4	7.0	8.1	5.7	5.3	5.7	4.5	4.9	4.8	5.5	6.5	8.3	6.06
3	6.5	7.7	7.9	5.6	5.0	5.7	4.4	4.5	5.0	4.7	6.4	8.4	5.98
4	6.4	7.5	7.6	5.1	4.9	5.3	4.2	4.5	4.1	4.9	5.8	8.4	5.73
5	5.9	7.6	7.9	5.5	4.8	4.9	4.2	4.5	4.2	5.8	6.4	8.3	5.83
6	6.9	8.4	7.9	5.6	6.0	5.5	5.0	5.5	5.1	6.0	6.9	8.6	6.45
7	6.0	8.7	7.7	5.6	5.3	5.1	4.5	5.0	3.9	5.1	6.4	8.0	5.94
8	5.8	8.9	7.1	4.7	4.8	5.3	4.4	4.0	3.9	5.1	5.9	7.7	5.63
9	6.2	8.5	6.9	5.1	4.6	4.7	3.6	3.7	3.8	5.5	6.2	7.7	5.54
10	6.6	9.2	7.6	5.0	4.9	5.3	4.0	4.1	4.9	6.2	6.2	7.6	5.97
11	7.4	8.9	7.9	5.8	5.9	5.5	4.9	5.1	5.8	6.6	6.9	8.0	6.56
12	7.5	9.1	7.6	6.4	6.6	6.0	5.5	5.6	5.7	6.9	7.2	8.5	6.88
1 p. m.	7.0	8.6	7.2	7.0	6.6	6.1	5.4	5.0	5.8	6.4	6.9	8.3	6.69
2	7.1	8.8	7.1	7.2	6.3	5.1	4.5	4.5	5.4	6.2	6.6	8.2	6.42
3	6.8	8.5	6.9	7.3	5.9	5.2	4.3	3.6	4.9	6.0	7.0	8.7	6.26
4	6.9	8.1	7.5	7.1	5.7	4.9	4.0	4.0	4.7	6.7	7.9	8.6	6.34
5	7.1	8.5	7.9	7.1	6.5	5.1	4.0	4.6	5.1	7.1	8.5	9.0	6.71
6	7.4	8.3	8.1	7.2	7.3	5.9	5.1	5.3	5.7	8.0	8.3	8.8	7.12
7	7.7	8.7	7.9	6.0	7.0	5.4	4.7	6.0	6.3	7.9	8.1	9.0	7.06
8	7.8	8.2	7.8	5.8	6.9	5.9	5.0	6.2	6.1	8.1	7.6	8.4	6.98
9	7.4	8.3	7.9	5.6	6.3	5.9	5.1	6.2	5.5	7.5	7.3	8.5	6.79
10	7.1	8.0	7.8	5.7	6.2	5.4	5.0	5.6	5.8	6.7	7.4	8.0	6.56
11	6.5	7.5	8.1	5.7	5.8	5.6	5.3	5.5	5.1	6.7	7.4	8.0	6.43
12	6.7	7.9	8.2	5.5	5.5	6.0	4.8	5.2	4.5	6.7	7.1	8.0	6.34
Mean monthly and annual amount of cloud.	6.82	8.26	7.71	5.95	5.84	5.47	4.63	4.90	5.05	6.34	6.98	8.29	6.35

TABLE 9. — Absolute maxima and minima in 1886.

	Barometric pressure in millimetres.		Temperature of the air in Centesimal degrees.		Relative humidity of the air. Saturation = 1000.		Tension of the atmos- pheric vapour in millimetres.		Velocity of the wind. k. p. h.
	Maximum.	Minimum.	Maximum.	Minimum.	Maximum.	Minimum.	Maximum.	Minimum.	Maximum.
January	761.98	755.28	30.9	22.6	1000	624	23.90	18.80	15.3
February	761.65	755.54	30.0	22.3	991	623	23.48	17.83	16.1
March	761.72	754.85	30.8	22.5	991	634	24.43	19.35	16.1
April	761.21	754.79	32.0	21.9	1000	514	24.67	17.48	17.7
May	760.33	755.31	31.7	22.8	982	573	26.14	17.81	23.3
June	761.05	755.01	31.7	21.9	991	544	29.82	17.53	18.5
July	761.19	755.87	31.6	20.9	956	468	23.36	15.78	22.5
August	761.18	755.51	31.6	21.8	965	448	23.24	14.91	20.1
September	761.68	755.75	32.3	21.7	982	479	22.95	16.39	20.1
October	761.24	754.72	32.6	22.1	973	462	24.72	16.80	19.3
November	761.08	754.52	32.3	22.2	973	498	24.75	18.12	16.1
December	761.50	754.27	33.6	21.9	991	449	22.77	17.44	20.9
Year.	761.98	754.27	33.6	20.9	1000	448	29.82	14.91	23.3

T A B L E 10. — Maxima and minima of daily means in 1886.

	Barometric pressure in millimetres.		Temperature of the air. Centesimal degrees.		Relative humidity of the air. Saturation = 1000.		Tension of atmospheric vapour in millimetres.		Velocity of the wind in k. p. h.	
	Maximum.	Minimum.	Maximum.	Minimum.	Maximum.	Minimum.	Maximum.	Minimum.	Maximum.	Minimum.
January . . .	760.66	756.96	26.92	24.14	935	808	22.42	20.27	5.59	1.57
February . .	760.09	757.47	26.85	24.39	943	815	22.32	20.02	4.86	2.64
March	760.37	756.92	26.83	24.23	969	831	22.70	20.91	6.98	2.00
April	759.67	756.43	27.20	25.13	900	728	22.55	18.70	7.57	2.75
May	758.81	756.67	27.57	25.24	891	789	22.62	20.58	6.50	1.70
June	759.36	756.91	27.22	24.56	908	780	23.74	19.56	6.74	2.10
July	759.71	757.58	26.92	25.48	839	745	21.19	18.29	9.61	2.65
August . . .	759.65	757.10	26.86	25.25	858	689	21.09	17.39	6.47	2.90
September . .	760.20	757.70	27.82	24.69	888	714	20.59	18.33	5.54	1.13
October . . .	759.77	757.15	27.64	24.30	905	705	21.39	18.33	5.13	1.64
November . .	759.92	756.32	27.04	24.89	888	739	21.83	19.00	4.76	1.60
December . .	760.08	756.34	28.23	23.29	959	723	21.57	19.44	7.04	1.37
Year.	760.66	756.32	28.23	23.29	969	689	23.74	17.39	9.61	1.13

T A B L E 11. — Maxima and minima of daily oscillation or range in 1886.

	Barometric pressure in millimetres.		Temperature of the air. Centesimal degrees.		Relative humidity of the air. Saturation = 1000.		Tension of the atmospheric vapour in millimetres.	
	Maximum.	Minimum.	Maximum.	Minimum.	Maximum.	Minimum.	Maximum.	Minimum.
January	3.66	2.34	7.1	2.6	342	81	4.06	1.29
February	3.96	2.38	5.9	2.8	325	126	3.82	1.80
March	3.91	2.61	6.9	2.3	331	42	4.03	1.24
April	3.81	2.53	9.4	4.4	413	191	5.80	1.30
May	3.96	2.07	7.9	4.2	357	230	6.85	1.64
June	3.93	2.23	8.4	3.6	391	123	10.83	1.92
July	3.51	2.22	9.4	5.8	478	229	5.93	1.92
August	3.68	2.36	9.2	5.1	480	257	5.41	1.56
September	4.19	2.71	9.4	5.0	431	256	5.18	1.94
October	4.22	2.65	9.2	4.0	434	133	5.57	1.37
November	4.10	1.89	9.4	4.3	405	216	5.21	1.55
December	3.86	2.11	9.6	2.5	464	85	4.44	1.44
Year.	4.22	1.89	9.6	2.3	480	42	10.83	1.24

TABLE 12. — Mean daily oscillation or range in 1886.

	Barometric pressure in millimetres.	Temperature of the air. Centesimal degrees.	Relative humidity of the air. Saturation = 1000.	Tension of the atmo- spheric vapour in millimetres.
January	3.03	5.5	250	2.68
February	3.25	4.7	201	2.75
March	3.14	5.1	223	2.80
April	3.01	6.5	282	3.03
May	2.81	6.4	293	3.26
June	2.98	6.7	292	3.90
July	2.86	7.3	340	3.14
August	3.10	7.5	339	3.36
September	3.27	7.4	356	3.38
October	3.32	6.9	307	3.39
November	3.08	6.8	312	2.61
December	2.99	5.5	253	2.46
Year	3.07	6.4	288	3.06

TABLE 13. — Mean temperature of the soil in 1886.
Centesimal degrees.

Depths below the surface in centimetres.	A. 7.	B. 34.	C. 62.	D. 93.	E. 123.	F. 154.
January	29.80	29.97	30.07	30.23	29.55	29.49
February	29.23	29.52	30.04	30.46	29.78	29.66
March	29.77	29.72	29.64	29.81	29.13	29.10
April	30.67	30.62	30.48	30.58	29.55	29.28
May	30.27	30.65	30.50	30.76	29.79	29.46
June	29.60	30.00	30.00	30.48	29.70	29.44
July	29.96	30.14	29.74	30.20	29.43	29.28
August	31.12	30.98	30.60	30.79	29.69	29.32
September	31.85	31.31	30.77	30.95	29.85	29.42
October	31.78	31.60	31.28	31.20	30.09	29.58
November	30.38	30.85	30.61	30.84	29.90	29.54
December	29.53	30.43	30.36	30.68	29.90	29.51
Annual means . . .	30.33	30.48	30.34	30.58	29.70	29.42

TABLE 14. — Deviations of the mean monthly and annual values in 1886 from the average values for the years 1866—1886.

	Barometric pressure in millimetres.	Temp. of the air in cent. degrees.	Relative humidity. Saturation = 1000.	Tension of atmosph. Vapour in m. m.	Cloudiness.
January	— 0.11	0.63	— 10	0.55	— 0.61
February	0.16	0.07	7	0.27	0.89
March	— 0.12	0.05	20	0.64	1.01
April	— 0.29	0.00	— 9	— 0.20	0.13
May.	— 0.23	0.14	8	0.34	0.72
June.	— 0.16	0.14	11	0.45	0.17
July.	— 0.68	0.55	— 16	0.19	0.08
August.	— 0.67	0.26	— 8	0.08	0.87
September.	— 0.38	0.35	— 11	0.12	0.38
October.	— 0.36	0.00	10	0.28	0.65
November.	— 0.45	— 0.19	9	— 0.01	0.15
December	0.02	— 0.13	5	— 0.10	1.08
Year.	— 0.27	0.16	1	0.22	0.46

N. B. The average values of the cloudiness have been deduced from the seven-yearly series 1880—1886.

TABLE 15. — Mean amount of Cloud in 1880—1886,

Hours of mean Batavia Time.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Year.
1 a. m.	7.41	7.19	6.59	5.71	5.14	5.64	4.84	4.34	4.64	5.23	6.24	6.61	5.80
2	7.27	6.90	6.43	5.29	4.74	5.37	4.50	3.96	4.21	5.01	6.09	6.56	5.53
3	7.13	7.19	6.20	5.29	4.57	5.10	4.49	3.47	4.16	4.84	6.11	6.47	5.42
4	7.27	7.29	6.06	5.07	4.54	5.00	4.34	3.23	3.94	4.77	5.74	6.49	5.31
5	7.09	7.16	6.06	5.03	4.66	4.96	4.23	3.37	4.14	5.11	6.16	6.79	5.40
6	7.69	7.81	6.63	5.51	5.39	5.64	5.17	4.24	4.60	5.49	6.31	7.14	5.97
7	7.49	7.94	6.64	5.44	4.96	5.16	4.50	3.91	4.26	5.41	6.11	7.17	5.75
8	7.17	7.50	6.26	4.81	4.41	4.69	4.00	3.19	3.81	4.87	5.61	6.90	5.27
9	7.27	7.21	5.96	4.60	4.21	4.29	3.67	3.04	3.69	5.01	5.81	7.01	5.15
10	7.54	7.56	6.34	4.96	4.43	4.61	3.87	3.44	4.40	5.57	6.43	7.09	5.52
11	7.57	7.73	6.76	5.51	5.11	5.06	4.27	4.29	4.93	6.21	6.87	7.29	5.97
12	7.47	7.61	6.67	5.90	5.43	5.39	4.64	4.86	5.10	6.30	7.09	7.47	6.16
1 p. m.	7.34	7.46	6.76	6.26	5.53	5.76	4.80	4.41	4.57	5.74	6.90	7.66	6.10
2	7.27	7.19	6.73	6.19	5.26	5.37	4.21	3.97	3.96	5.31	6.90	7.56	5.83
3	7.20	7.23	6.73	6.20	5.00	5.23	3.80	3.50	3.79	5.27	7.33	7.61	5.74
4	7.26	7.23	7.00	6.41	5.06	5.27	3.61	3.33	3.91	5.73	7.54	7.71	5.84
5	7.60	7.37	7.26	6.70	5.37	5.36	4.01	3.59	4.61	6.59	8.20	7.91	6.21
6	7.84	7.53	7.51	7.07	6.19	5.96	4.84	4.24	5.23	7.13	8.13	8.06	6.64
7	7.90	7.50	7.37	6.69	5.81	5.61	5.10	4.60	5.77	6.81	8.01	7.96	6.59
8	7.76	7.41	7.20	6.70	5.51	5.81	5.34	4.80	6.07	6.59	7.79	7.47	6.54
9	7.50	7.33	7.20	6.44	5.43	5.77	5.59	5.00	5.94	6.46	7.56	7.23	6.45
10	7.41	7.14	6.91	6.04	5.36	5.41	5.36	4.66	5.90	5.90	7.27	6.99	6.20
11	7.41	7.13	6.76	5.93	5.34	5.33	5.30	4.69	5.36	5.66	6.93	6.99	6.07
12	7.41	7.33	6.60	5.77	5.24	5.47	4.86	4.51	4.97	5.44	6.64	6.93	5.93
Monthly means.	7.43	7.37	6.69	5.81	5.11	5.30	4.56	4.03	4.67	5.69	6.82	7.21	5.89

TABLE 16. — Barometric Pressure. Deviations of the monthly and annual means
for the single years from the corresponding means for the years 1866—1886.

	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Year.
	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.
1866	0.78	— 0.45	0.32	0.30	— 0.24	0.36	— 0.02	0.15	— 0.20	0.01	— 0.19	0.55	0.12
1867	1.05	— 0.33	0.73	0.29	— 0.27	— 0.13	— 0.19	— 0.28	— 0.60	— 0.58	1.14	0.71	0.13
1868	— 0.44	0.27	0.38	0.75	1.13	0.78	0.16	0.39	0.29	0.43	1.16	0.48	0.48
1869	1.28	0.89	0.09	0.63	0.03	— 0.07	0.18	0.08	0.24	0.28	— 0.06	— 0.32	0.26
1870	— 1.81	— 0.84	— 0.71	— 0.75	— 0.42	— 0.43	— 0.25	— 0.82	— 0.25	— 0.23	— 0.26	— 0.23	— 0.59
1871	— 0.99	— 0.65	— 0.23	0.12	0.16	— 0.11	— 0.06	— 0.02	— 0.33	— 0.30	— 0.55	0.04	— 0.24
1872	— 0.33	— 0.42	— 0.34	— 0.50	0.24	— 0.76	— 0.39	— 0.52	— 0.63	— 0.46	— 1.32	— 0.98	— 0.53
1873	— 0.98	— 0.57	— 0.60	— 0.49	— 0.70	— 0.15	— 0.15	— 0.22	0.06	— 0.11	0.57	0.14	— 0.27
1874	0.73	0.29	— 0.95	0.10	— 0.03	— 0.41	— 0.58	— 0.21	— 0.56	— 0.38	0.04	0.09	— 0.16
1875	— 0.97	— 0.80	— 0.37	— 0.41	0.00	— 0.26	0.10	0.01	0.03	— 0.53	0.36	— 0.77	— 0.30
1876	— 0.87	— 0.37	— 0.61	— 0.92	0.25	0.04	0.21	— 0.06	— 0.01	0.33	0.19	0.79	— 0.08
1877	1.30	1.13	0.65	0.76	0.45	1.30	1.42	1.67	1.30	1.42	0.93	0.17	1.04
1878	0.61	1.23	0.92	0.30	— 0.01	0.17	— 0.55	0.07	— 0.45	— 0.80	— 0.68	— 1.22	— 0.05
1879	— 0.98	— 0.71	— 0.56	— 0.22	— 0.85	— 0.25	— 0.70	— 0.38	— 0.39	— 0.09	— 0.34	— 1.15	— 0.56
1880	— 0.86	— 0.16	— 0.36	0.28	— 0.35	0.18	0.17	— 0.04	0.06	0.54	0.64	0.71	0.06
1881	0.25	1.17	0.59	0.35	0.10	— 0.37	0.53	0.46	0.15	0.00	— 0.85	— 0.61	0.15
1882	0.48	— 0.26	0.63	— 0.68	— 0.01	— 0.50	— 0.19	— 0.14	— 0.03	— 0.54	— 0.31	— 0.38	— 0.16
1883	0.01	— 0.15	0.09	— 0.11	0.08	0.26	0.39	0.07	0.51	0.32	— 0.67	1.23	0.17
1884	0.42	0.82	— 0.22	0.44	0.11	0.41	0.03	0.14	0.55	0.30	— 0.27	0.63	0.28
1885	1.43	— 0.24	0.74	0.02	0.54	0.00	0.57	0.31	0.61	0.85	0.95	0.01	0.48
1886	— 0.11	0.16	— 0.12	— 0.29	— 0.23	— 0.16	— 0.68	— 0.67	— 0.38	— 0.36	— 0.45	0.02	— 0.27
Mean deviation.	± 0.79	± 0.57	± 0.49	± 0.41	± 0.30	± 0.34	± 0.36	± 0.32	± 0.36	± 0.42	± 0.57	± 0.53	± 0.30

RESULTS OF MAGNETICAL OBSERVATIONS.

TABLE 17. — Values of the Zero-line in absolute measure.

1886.	Adie's Magnetograph.			Wild's Magnetometers.		
	Easterly Declination.	Horizontal Force. in c. g. s.	Vertical Force. in c. g. s.	Easterly Declination.	Horizontal Force. in c. g. s.	Vertical Force. in c. g. s.
January	1° — 4'.28	0.37010	0.19596			
February	1° — 2'.49	0.37006	0.19603			
March	1° — 2'.93	0.36802 R	0.19616			
April	1° — 3'.56	0.36802	0.19626			
May	1° — 4'.13	0.36827	0.19643			
June	1° — 4'.30	0.36824	0.19619			
July	1° — 4'.35	0.36833	0.19599	1° — 54'.51	0.37193 R	0.19855
August	1° — 4'.85	0.36847	0.19583	1° — 54'.92	0.37154	0.19885
September	1° — 5'.09	0.36848	0.19543	1° — 54'.75	0.37217 R	0.19863
October	1° — 5'.27	0.36850	0.18789 R	1° — 54'.70	0.37167 R	0.19895
November	1° — 5'.00	0.36862	0.19763	1° — 53'.97	0.37091 R	0.19951
December	1° — 5'.53	0.36860	0.19707	1° — 54'.12 R	0.37138 R	0.19972 R.

N. B. The letter R denotes that the instrument has been readjusted.

TABLE 18. — Monthly means in absolute measure.
Minutes of arc, and c. g. s. unity.

1886.	E. Declination.	Horizontal Force.	Vertical Force.	Total Force.	S. Inclination.
	1° 40'.00	0.36900 +	0.19700 +	0.41800 +	28° +
January	12'.74	223.3	180.5	311.4	10'.21
February	11.99	221.4	207.9	322.7	12.26
March	12.52	216.1	222.6	325.0	13.52
April	12.14	206.3	242.7	325.9	15.34
May	12.22	220.3	264.6	348.6	16.38
June	12.00	219.5	242.6	337.5	14.83
July	11.59	212.6	225.9	323.5	13.89
August	11.70	218.3	234.4	332.5	14.28
September	11.44	210.4	201.1	309.8	12.19
October	11.45	193.2	224.6	305.8	14.55
November	10.79	199.8	260.0	328.3	16.81
December	10.95	194.8	262.2	325.0	17.19
Year.	11.80	211.3	230.9	324.7	14.30

TABLE 19. - Mean diurnal variation of Easterly Declination for each month of the year 1886.

Uncorrected for disturbances; minutes of arc.

	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Year.
1 a. m.	— 0.06	— 0.29	— 0.18	0.13	— 0.11	— 0.18	0.02	— 0.05	0.11	0.01	— 0.10	— 0.19	— 0.08
2	— 0.21	— 0.41	— 0.20	0.15	0.13	0.05	0.18	0.17	0.22	— 0.02	— 0.06	— 0.15	— 0.02
3	— 0.32	— 0.45	— 0.18	0.14	0.19	0.13	0.21	0.29	0.31	— 0.03	— 0.10	— 0.30	— 0.01
4	— 0.49	— 0.55	— 0.32	0.05	0.27	0.23	0.37	0.41	0.42	— 0.01	— 0.18	— 0.40	— 0.02
5	— 0.70	— 0.57	— 0.39	— 0.13	0.28	0.24	0.42	0.54	0.34	— 0.08	— 0.33	— 0.60	— 0.08
6	— 1.26	— 1.18	— 0.75	— 0.05	0.58	0.34	0.68	0.75	0.68	— 0.01	— 0.64	— 1.04	— 0.16
7	— 2.04	— 1.98	— 1.27	— 0.29	1.02	1.05	1.00	1.00	0.36	— 0.85	— 1.64	— 1.77	— 0.45
8	— 2.33	— 2.33	— 2.24	— 1.08	0.23	0.55	0.40	— 0.05	— 0.85	— 1.72	— 2.26	— 2.05	— 1.14
9	— 1.71	— 1.81	— 1.89	— 1.43	— 0.71	— 0.12	— 0.50	— 1.28	— 2.04	— 2.03	— 2.30	— 1.89	— 1.48
10	— 1.00	— 0.88	— 1.10	— 1.35	— 0.99	— 0.67	— 1.02	— 1.74	— 2.24	— 1.89	— 1.83	— 1.19	— 1.33
11	— 0.39	0.10	0.10	— 0.59	— 1.09	— 0.75	— 1.26	— 1.80	— 1.90	— 1.38	— 0.68	— 0.48	— 0.86
12	0.27	1.05	0.87	0.18	— 0.87	— 0.50	— 0.92	— 1.41	— 1.07	— 0.09	0.57	0.33	— 0.15
1 p. m.	1.12	1.52	1.35	0.49	— 0.46	— 0.09	— 0.40	— 0.74	— 0.12	1.03	1.42	1.09	0.50
2	1.39	1.72	1.47	0.85	0.21	0.54	0.38	0.18	0.66	1.50	1.85	1.54	1.01
3	1.51	1.72	1.54	0.96	0.79	0.90	0.83	0.96	1.26	1.56	2.05	1.76	1.31
4	1.60	1.51	1.17	1.16	1.15	0.77	0.84	1.37	1.31	1.26	1.76	1.71	1.30
5	1.47	1.20	1.05	0.81	0.88	0.32	0.44	1.17	1.01	1.01	1.25	1.41	1.00
6	0.84	0.78	0.75	0.53	0.28	— 0.11	0.21	0.64	0.63	0.74	0.78	0.99	0.58
7	0.74	0.44	0.37	0.25	0.06	— 0.28	— 0.22	0.19	0.43	0.44	0.52	0.53	0.28
8	0.55	0.37	0.15	— 0.02	— 0.24	— 0.50	— 0.18	0.13	0.34	0.34	0.35	0.47	0.14
9	0.52	0.21	0.03	— 0.30	— 0.43	— 0.58	— 0.37	— 0.14	0.16	0.20	0.12	0.16	— 0.04
10	0.35	0.06	— 0.10	— 0.25	— 0.46	— 0.60	— 0.41	— 0.15	0.09	0.01	— 0.11	0.08	— 0.13
11	0.12	— 0.05	— 0.09	— 0.25	— 0.45	— 0.53	— 0.45	— 0.20	— 0.02	0.04	— 0.12	— 0.06	— 0.18
12	0.03	— 0.14	— 0.23	0.06	— 0.24	— 0.26	— 0.21	— 0.14	0.02	0.00	— 0.24	— 0.06	— 0.12
Total amount of variation.	21.02	21.32	17.79	11.50	12.12	10.29	11.92	15.50	16.59	16.25	21.26	20.25	12.37

TABLE 20. - Mean diurnal variation of Horizontal Force for each month of the year 1886.

Uncorrected for disturbances. Unity = 0.00001 c. g. s.

	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Year.
1 a. m.	— 11.4	— 10.7	— 11.5	— 10.9	— 10.1	— 9.0	— 11.8	— 12.0	— 12.4	— 9.2	— 5.4	— 3.9	— 9.9
2	— 8.0	— 8.0	— 9.2	— 9.1	— 8.5	— 6.2	— 9.3	— 10.4	— 9.6	— 7.7	— 5.3	— 3.0	— 7.9
3	— 7.0	— 8.0	— 8.2	— 7.2	— 3.8	— 6.1	— 6.4	— 6.2	— 8.9	— 2.8	— 2.5	— 2.0	— 5.8
4	— 4.3	— 7.5	— 5.2	— 6.6	— 2.6	— 4.3	— 5.4	— 3.7	— 6.0	— 3.9	— 0.7	— 1.0	— 4.3
5	— 2.8	— 5.6	— 4.9	— 2.6	— 1.0	— 2.7	— 3.9	— 0.8	— 2.4	— 0.7	— 0.8	— 0.1	— 2.4
6	— 1.0	— 2.9	— 2.6	1.5	2.2	0.2	— 1.1	4.2	— 0.7	— 0.7	0.4	1.6	0.1
7	5.9	3.7	0.9	7.1	12.0	8.5	8.9	12.4	5.6	6.1	5.9	6.6	7.0
8	11.3	10.5	13.2	15.1	16.2	16.1	17.7	19.2	17.9	14.8	11.0	10.4	14.5
9	17.3	19.3	22.4	21.7	25.1	23.0	25.3	25.2	28.0	23.2	20.3	15.9	22.2
10	26.5	26.0	33.3	32.7	31.1	30.4	31.2	29.4	34.9	28.1	24.3	17.1	28.7
11	31.8	28.5	39.3	40.0	30.9	31.9	35.4	31.1	38.4	30.0	20.8	15.3	31.1
12	28.9	25.7	37.0	32.4	24.3	28.7	29.6	26.4	33.2	26.3	14.9	12.4	26.6
1 p. m.	20.8	18.7	27.2	20.3	16.0	20.1	21.3	19.8	21.6	16.8	9.6	6.1	18.2
2	12.6	9.5	11.7	7.2	4.8	7.2	8.5	9.5	6.7	4.8	3.9	— 0.5	7.1
3	4.8	0.3	0.5	— 4.0	— 4.8	— 4.1	— 2.7	— 1.2	— 6.8	— 3.9	— 4.4	— 6.3	— 2.7
4	— 1.0	— 8.5	— 3.5	— 11.4	— 13.3	— 12.9	— 12.1	— 11.7	— 12.8	— 11.4	— 8.7	— 8.4	— 9.6
5	— 13.5	— 10.3	— 12.1	— 14.0	— 17.0	— 16.5	— 13.5	— 17.4	— 16.0	— 15.0	— 8.3	— 8.7	— 13.6
6	— 14.0	— 8.4	— 16.8	— 18.4	— 16.2	— 15.5	— 16.5	— 19.2	— 16.2	— 17.0	— 10.0	— 9.1	— 14.9
7	— 16.8	— 9.5	— 17.0	— 17.9	— 17.6	— 16.0	— 16.8	— 16.7	— 15.9	— 12.9	— 11.7	— 7.1	— 14.7
8	— 17.6	— 13.2	— 20.8	— 17.8	— 16.9	— 15.9	— 17.3	— 17.4	— 17.4	— 13.5	— 13.6	— 9.1	— 15.9
9	— 18.2	— 13.4	— 21.0	— 17.4	— 14.3	— 14.5	— 16.6	— 15.7	— 16.3	— 15.6	— 11.5	— 5.7	— 15.0
10	— 17.4	— 11.8	— 19.6	— 14.2	— 13.4	— 14.6	— 15.3	— 16.9	— 16.1	— 14.1	— 8.6	— 6.0	— 14.1
11	— 13.9	— 11.9	— 16.9	— 12.7	— 12.6	— 15.6	— 13.6	— 13.7	— 15.0	— 10.8	— 11.0	— 7.9	— 13.0
12	— 13.8	— 11.5	— 15.1	— 12.9	— 11.3	— 13.0	— 14.6	— 13.9	— 14.2	— 11.0	— 7.7	— 6.7	— 12.2
Total amount of variation.	320.6	283.4	369.9	355.1	326.0	333.0	354.8	354.1	373.0	300.3	221.3	170.9	311.5

T A B L E 21. — Mean diurnal variation of Vertical Force, for each month of the year 1886.
Uncorrected for disturbances. Unity = 0.00001 c. g. s.

	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Year.
1 a. m.	7.8	10.1	9.7	6.0	3.9	2.7	4.6	4.5	7.6	6.0	2.4	3.1	5.7
2	4.7	8.2	7.7	4.8	2.5	0.4	2.6	3.3	4.4	4.8	1.8	1.5	3.8
3	4.0	7.8	7.0	3.5	— 0.4	0.1	0.6	0.2	4.0	1.7	0.3	1.2	2.5
4	2.1	6.7	5.4	4.3	— 0.3	— 0.2	0.1	— 1.0	2.0	1.7	— 0.8	0.5	1.7
5	1.3	6.5	5.7	2.5	0.0	0.2	0.4	— 2.5	0.2	0.3	— 0.7	0.9	1.2
6	5.6	7.5	6.2	— 0.4	— 5.4	— 4.6	— 2.5	— 6.7	— 2.9	1.3	1.4	2.2	0.1
7	5.0	6.3	8.9	0.2	— 9.2	— 9.8	— 9.2	— 9.3	0.1	5.0	4.4	3.2	— 0.4
8	— 2.3	— 0.2	— 0.9	— 0.3	— 5.5	— 7.8	— 9.6	— 6.6	2.2	3.8	2.8	0.6	— 2.0
9	— 11.2	— 12.8	— 13.7	— 8.3	— 9.6	— 9.8	— 11.6	— 8.3	— 5.5	— 5.4	— 4.4	— 4.3	— 8.7
10	— 20.5	— 23.6	— 31.7	— 21.5	— 14.9	— 13.6	— 14.1	— 12.1	— 15.6	— 15.2	— 12.0	— 8.5	— 16.9
11	— 25.9	— 30.7	— 39.5	— 34.9	— 15.8	— 16.7	— 19.2	— 15.9	— 24.8	— 25.5	— 17.1	— 10.7	— 23.0
12	— 27.6	— 30.3	— 39.5	— 30.6	— 13.7	— 18.8	— 17.9	— 15.9	— 27.3	— 31.8	— 18.1	— 11.2	— 23.5
1 p. m.	— 23.8	— 24.0	— 31.7	— 20.3	— 12.4	— 14.3	— 14.7	— 14.6	— 21.5	— 25.0	— 15.5	— 9.6	— 18.9
2	— 15.1	— 14.3	— 18.6	— 11.2	— 8.7	— 8.2	— 10.3	— 11.1	— 11.9	— 12.4	— 10.9	— 6.3	— 11.6
3	— 8.0	— 5.8	— 5.0	— 2.0	— 3.8	— 1.7	— 3.9	— 5.0	— 3.2	— 2.0	— 3.8	— 1.6	— 3.8
4	— 2.7	1.5	3.9	5.9	3.3	7.5	4.7	3.4	3.8	6.7	1.4	— 0.7	3.2
5	11.1	5.2	11.0	12.1	11.4	14.3	10.0	11.0	9.7	10.5	5.3	2.4	9.5
6	14.0	8.1	17.0	15.8	14.8	15.2	14.6	15.3	12.0	12.0	7.9	5.0	12.7
7	14.4	10.2	18.2	15.8	14.5	14.6	15.5	14.3	12.8	11.7	9.5	5.4	13.1
8	14.7	13.4	18.1	14.6	14.5	13.8	15.6	14.1	13.5	11.3	11.4	6.0	13.4
9	14.9	13.6	19.0	13.1	11.6	11.4	14.5	13.5	12.2	12.8	9.5	4.6	12.5
10	13.7	12.0	15.7	12.1	10.0	10.0	12.3	12.8	11.3	11.1	8.7	4.4	11.2
11	12.5	12.2	14.7	9.5	7.9	9.2	9.8	9.0	9.7	8.3	9.2	6.3	9.8
12	10.1	11.4	11.9	8.4	5.9	5.8	8.7	7.6	8.3	7.5	7.1	5.0	8.1
Total amount of variation.	273.0	282.4	360.7	258.1	200.0	210.7	227.0	218.0	226.5	233.8	166.4	105.2	217.3

T A B L E 22. — Mean diurnal variation of Southerly Inclination for each month of the year 1886.
Uncorrected for disturbances; minutes of arc.

	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Year.
1 a. m.	1.00	1.15	1.14	0.85	0.67	0.54	0.79	0.79	1.02	0.79	0.39	0.37	0.79
2	0.65	0.91	0.91	0.70	0.50	0.26	0.55	0.64	0.68	0.65	0.34	0.22	0.58
3	0.56	0.88	0.82	0.53	0.11	0.24	0.29	0.26	0.62	0.24	0.13	0.16	0.41
4	0.32	0.78	0.59	0.57	0.08	0.15	0.22	0.07	0.37	0.28	— 0.02	0.07	0.29
5	0.21	0.69	0.60	0.28	0.03	0.11	0.18	— 0.15	0.10	0.06	— 0.01	0.07	0.18
6	0.44	0.66	0.55	— 0.08	— 0.48	— 0.34	— 0.14	— 0.64	— 0.19	0.13	0.09	0.10	0.00
7	0.14	0.32	0.60	— 0.26	— 1.13	— 1.04	— 1.00	— 1.15	— 0.22	0.13	0.10	— 0.03	— 0.30
8	— 0.60	— 0.41	— 0.58	— 0.60	— 1.02	— 1.19	— 1.37	— 1.21	— 0.54	— 0.29	— 0.22	— 0.36	— 0.70
9	— 1.47	— 1.66	— 1.85	— 1.43	— 1.66	— 1.60	— 1.81	— 1.57	— 1.48	— 1.28	— 1.09	— 0.93	— 1.48
10	— 2.49	— 2.69	— 3.57	— 2.81	— 2.28	— 2.16	— 2.22	— 2.00	— 2.48	— 2.17	— 1.79	— 1.27	— 2.32
11	— 3.09	— 3.30	— 4.36	— 4.05	— 2.33	— 2.44	— 2.75	— 2.34	— 3.27	— 2.99	— 2.03	— 1.36	— 2.85
12	— 3.10	— 3.16	— 4.27	— 3.45	— 1.93	— 2.46	— 2.43	— 2.16	— 3.25	— 3.29	— 1.87	— 1.29	— 2.72
1 p. m.	— 2.51	— 2.44	— 3.33	— 2.24	— 1.51	— 1.81	— 1.88	— 1.81	— 2.39	— 2.44	— 1.48	— 0.93	— 2.06
2	— 1.57	— 1.39	— 1.79	— 1.08	— 0.82	— 0.87	— 1.07	— 1.16	— 1.12	— 1.07	— 0.93	— 0.44	— 1.11
3	— 0.76	— 0.42	— 0.38	0.01	— 0.09	0.03	— 0.18	— 0.31	0.02	0.01	— 0.10	0.13	— 0.17
4	— 0.15	0.44	0.41	0.87	0.75	1.03	0.81	0.70	0.76	0.93	0.44	0.27	0.60
5	1.32	0.78	1.26	1.41	1.47	1.66	1.24	1.46	1.31	1.34	0.71	0.51	1.21
6	1.55	0.91	1.87	1.85	1.69	1.69	1.69	1.84	1.48	1.52	0.96	0.71	1.49
7	1.69	1.11	1.96	1.83	1.72	1.66	1.76	1.67	1.53	1.35	1.14	0.66	1.51
8	1.74	1.48	2.10	1.74	1.69	1.60	1.79	1.69	1.64	1.34	1.35	0.78	1.58
9	1.78	1.50	2.18	1.62	1.38	1.38	1.68	1.58	1.50	1.53	1.13	0.55	1.48
10	1.66	1.32	1.88	1.42	1.23	1.28	1.48	1.57	1.43	1.35	0.96	0.55	1.35
11	1.44	1.34	1.71	1.18	1.05	1.26	1.23	1.18	1.27	1.02	1.09	0.76	1.21
12	1.26	1.27	1.44	1.10	0.86	0.91	1.19	1.09	1.14	0.97	0.81	0.62	1.05
Total amount of variation.	31.50	31.01	40.15	31.96	26.48	27.71	29.75	29.04	29.81	27.17	19.18	13.14	27.44

TABLE 23. — Mean diurnal variation of Total Force for each month of the year 1886.
Uncorrected for disturbances. Unity = 0.00001 c. g. s.

	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Year.
1 a. m.	— 6.3	— 4.6	— 5.5	— 6.8	— 7.1	— 6.6	— 8.2	— 8.4	— 7.3	— 5.2	— 3.7	— 2.0	— 6.0
2	— 4.8	— 3.1	— 4.5	— 5.8	— 6.3	— 5.2	— 7.0	— 7.6	— 6.4	— 4.4	— 3.9	— 2.0	— 5.2
3	— 4.3	— 3.3	— 3.9	— 4.7	— 3.6	— 5.3	— 5.4	— 5.3	— 5.9	— 1.6	— 2.1	— 1.2	— 3.9
4	— 2.8	— 3.4	— 2.0	— 3.8	— 2.4	— 3.8	— 4.7	— 3.7	— 4.3	— 2.6	— 1.1	— 0.7	— 3.0
5	— 1.8	— 1.8	— 1.6	— 1.1	— 0.9	— 2.2	— 3.3	— 1.9	— 2.0	— 0.4	— 1.1	0.3	— 1.5
6	1.8	1.0	0.6	1.1	— 0.6	— 1.9	— 2.2	0.6	— 2.0	0.1	1.0	2.4	0.1
7	7.6	6.3	5.0	6.3	6.2	2.9	3.5	6.6	5.0	7.8	7.2	7.3	6.0
8	8.9	9.2	11.2	13.1	11.7	10.6	11.0	13.8	16.8	14.9	11.0	9.4	11.8
9	10.0	11.0	13.3	15.2	17.5	15.7	16.8	18.3	22.1	18.0	15.7	12.0	15.4
10	13.7	11.8	14.4	18.6	20.3	20.4	20.8	20.2	23.4	17.6	15.7	11.0	17.3
11	15.8	10.6	15.9	18.7	19.7	20.3	22.1	19.9	22.1	14.4	10.2	8.4	16.5
12	12.4	8.3	13.9	14.1	14.9	16.5	17.6	15.8	16.3	8.2	4.5	5.6	12.3
1 p. m.	7.1	5.1	9.0	8.3	8.2	11.0	11.8	10.6	8.9	3.0	1.1	0.8	7.1
2	4.0	1.6	1.5	1.0	0.1	2.5	2.6	3.1	0.3	— 1.6	— 1.8	— 3.4	0.8
3	0.5	— 2.5	— 1.9	— 4.5	— 6.0	— 4.3	— 4.2	— 3.4	— 7.5	— 4.3	— 5.7	— 6.3	— 4.2
4	— 2.1	— 6.8	— 1.2	— 7.3	— 10.2	— 7.7	— 8.5	— 8.7	— 9.5	— 6.8	— 7.1	— 7.7	— 6.9
5	— 6.6	— 6.6	— 5.5	— 6.6	— 9.6	— 7.7	— 7.2	— 10.1	— 9.5	— 8.2	— 4.9	— 6.5	— 7.5
6	— 5.7	— 3.5	— 6.8	— 8.7	— 7.3	— 6.4	— 7.6	— 9.6	— 8.6	— 9.2	— 5.1	— 5.7	— 7.1
7	— 7.9	— 3.5	— 6.4	— 8.3	— 8.7	— 7.1	— 7.5	— 7.9	— 7.9	— 5.8	— 5.9	— 3.7	— 6.7
8	— 8.5	— 5.3	— 9.8	— 8.8	— 8.1	— 7.4	— 7.9	— 8.6	— 8.9	— 6.5	— 6.6	— 5.2	— 7.7
9	— 8.9	— 5.3	— 9.5	— 9.1	— 7.1	— 7.3	— 7.8	— 7.4	— 8.6	— 7.6	— 5.7	— 2.9	— 7.3
10	— 8.8	— 4.7	— 9.8	— 6.8	— 7.1	— 8.1	— 7.7	— 8.8	— 8.8	— 7.1	— 3.5	— 3.2	— 7.1
11	— 6.3	— 4.7	— 7.9	— 6.7	— 7.4	— 9.3	— 7.4	— 7.8	— 8.6	— 5.5	— 5.4	— 4.0	— 6.8
12	— 7.3	— 4.7	— 7.7	— 7.4	— 7.2	— 8.6	— 8.8	— 8.6	— 8.6	— 6.1	— 3.5	— 3.6	— 6.9
Total amount of variation.	163.9	128.7	168.8	192.8	198.2	198.8	211.6	216.7	229.3	166.9	133.5	115.3	175.1

TABLE 24. — Showing, for every day, the ratio R, a relative measure of the diurnal variation, as deduced from Table C. — Declination — 1886.

	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
1	0.7	0.9	0.9	1.3	1.2	0.9	1.2	1.3	1.5	1.0	0.9	1.4
2	1.4	0.9	0.9	1.2	1.1	0.6	1.4	0.8	1.3	0.9	1.2	1.1
3	1.3	0.8	1.4	1.1	1.0	0.6	1.0	0.8	1.2	1.1	1.0	1.0
4	1.0	1.2	1.9	1.0	0.7	1.1	0.9	0.9	1.0	0.9	1.1	1.1
5	1.2	1.2	1.3	1.5	1.3	1.1	0.9	0.6	0.6	1.0	1.3	1.2
6	0.8	1.1	1.4	1.0	1.1	1.1	0.4	0.8	1.0	1.1	1.1	1.1
7	1.2	1.1	1.3	0.9	0.7	1.0	0.8	0.7	0.6	1.0	1.0	1.3
8	1.1	0.9	1.6	1.3	0.9	1.0	1.1	1.0	0.6	1.6	0.8	1.1
9	2.0*	0.8	1.6	1.2	1.5	0.9	1.0	0.8	1.0	1.1	0.6	1.1
10	1.1*	1.4	1.4	1.2	1.6	0.8	0.8	0.6	1.2	0.8	0.7	0.9
11	0.7	1.4	1.3	1.1	0.9	0.8	1.0	0.9	1.1	0.9	0.7	0.9
12	1.4	1.0	1.0	0.9	1.2	1.0	0.8	1.4	1.2	1.2	1.4	1.1
13	1.1	1.2	0.8	1.0	0.9	1.1	0.9	1.0	1.0	0.8	1.1	1.0
14	1.0	0.8	0.7	0.8	1.3	1.0	1.5	1.1	0.9	0.5	1.0	1.3
15	0.9	1.0	0.6	0.8	1.4	0.8	0.7	1.0	1.0	1.1	0.9	0.9
16	1.3	0.8	0.8	0.9	1.3	0.8	0.8	0.8	1.0	1.1	0.9	1.0
17	0.6	0.6	0.6	0.7	0.9	1.3	0.9	1.1	0.7	1.0	1.3	0.8
18	0.7	1.1	0.4	0.8	0.8	1.0	1.5	0.7	1.5	0.7	1.0	0.7
19	0.9	1.4	0.4	1.1	1.0	1.0	1.0	1.0	1.3	0.9	0.7	0.5
20	0.9	1.3	0.5	1.1	1.1	0.6	1.3	0.7	0.7	0.8	1.2	0.5
21	1.2	1.4	0.6	0.5	0.8	1.0	1.2	1.2	1.0	1.0	0.8	0.6
22	1.4	0.9	0.9	0.8	0.7	1.1	1.2	0.9	1.0	0.7	0.8	0.9
23	1.1	0.6	1.2	0.9	0.8	1.2	1.2	1.2	0.5	0.8	1.1	1.1
24	0.7	0.5	1.3	1.1	1.0	1.4	0.7	0.6	1.0	1.1	1.1	0.7
25	0.9	0.9	1.0	1.5	0.6	0.9	1.2	1.2	0.7	1.3	0.9	0.6
26	1.0	0.8	0.9	0.9	0.9	0.9	0.9	0.8	0.6	1.0	1.0	1.3
27	0.6	1.3	0.8	0.8	1.1	0.9	1.4	1.2	1.1	1.1	1.2	1.7
28	0.9	0.8	0.4	0.6	0.8	0.8	0.9	1.5	1.3	1.3	0.9	1.4
29	0.9		0.8	1.0	0.9	1.3	0.8	1.1	1.2	1.3	0.9	1.2
30	1.1		1.3*	0.8	0.8	1.8	0.7	1.5	1.2	0.8	1.3	0.9
31	1.1		1.2*		0.9		0.9	1.6		1.1		0.8
Mean ratio.	1.0	1.0	1.0	1.0	1.0	1.0	1.0	*1.0	1.0	1.0	1.0	1.0
Mean amount of differences.	229	234	209	149	149	125	142	177	197	195	232	222

T A B L E 25. — Showing, for every day, the ratio R, a relative measure of the diurnal variation, as deduced from Table C. — Horizontal Force — 1886.

	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
1	1.4	0.6	0.8	0.8	1.3	1.3	0.8	0.7	1.0	0.7	1.1	1.5
2	1.4	1.0	0.7	0.9	1.1	1.1	0.8	1.3	1.2	0.8	1.9	1.0
3	0.8	1.5	1.4	1.1	0.8	1.2	0.9	1.0	1.0	0.8	0.9	0.9
4	1.1	0.7	0.9	1.3	1.2	1.8	1.2	1.0	0.9	0.8	1.0	0.8
5	0.6	1.2	1.2	1.1	0.9	1.1	1.1	0.8	0.8	0.9	0.8	0.6
6	0.8	0.6	1.2	0.8	0.8	0.9	1.2	1.0	0.9	1.9	0.8	1.0
7	1.2	0.9	1.5	1.3	1.3	0.8	0.9	0.9	0.7	1.0	0.9	0.9
8	1.3	0.7	1.1	0.7	0.9	0.9	1.3	0.7	0.9	1.8	1.1	1.4
9	2.9*	0.6	1.1	1.1	1.9	0.8	1.0	1.0	0.9	1.0	0.9	1.0
10	1.1*	1.8	1.0	0.7	1.1	1.0	0.7	0.8	1.8	0.9	1.2	0.9
11	1.2	0.9	0.9	0.5	1.0	0.7	0.8	0.9	1.3	0.9	1.1	0.7
12	0.7	1.1	0.6	1.4	0.7	1.4	0.8	2.3	1.5	1.3	1.4	1.5
13	1.0	1.1	1.2	1.1	0.8	0.6	0.8	1.1	0.8	0.6	1.5	1.2
14	1.0	1.1	0.7	1.5	0.8	0.8	1.1	1.4	0.9	1.1	1.1	0.8
15	1.8	1.3	1.0	1.3	1.1	1.2	1.2	1.1	0.9	1.1	1.5	0.9
16	1.4	1.2	1.0	0.8	1.1	0.8	1.0	0.9	1.0	1.0	0.6	0.9
17	0.8	0.9	1.0	0.7	0.9	1.3	0.8	1.1	1.2	1.6	0.9	0.7
18	0.8	0.8	0.7	0.9	1.5	0.9	1.1	0.9	1.0	1.4	0.4	0.7
19	1.5	0.7	0.8	1.2	0.7	1.0	1.6	1.1	1.0	1.6	0.5	0.8
20	0.7	0.7	1.0	1.1	0.7	0.7	1.1	1.0	1.3	0.8	1.4	0.5
21	1.0	1.0	0.8	0.7	0.7	1.0	0.8	1.2	1.4	0.9	0.4	1.0
22	1.2	0.9	0.9	0.8	1.3	1.0	1.2	0.7	0.9	0.6	0.5	1.3
23	1.0	1.1	1.6	0.9	0.8	1.1	1.2	1.1	0.7	0.8	1.1	1.9
24	0.8	0.8	1.0	1.3	1.3	0.8	0.8	1.1	0.6	0.7	1.1	0.4
25	0.6	1.2	1.1	1.6	0.9	0.7	0.9	0.9	0.7	0.8	0.9	0.8
26	0.7	1.3	1.0	1.0	0.9	0.9	1.0	0.8	0.6	1.0	0.7	1.8
27	0.9	1.4	0.7	1.1	0.9	1.2	1.1	0.7	1.0	0.9	1.1	1.9
28	0.4	1.0	1.0	0.8	1.0	0.8	0.9	0.9	1.0	0.8	0.9	1.0
29	1.2		1.2	0.8	0.8	0.7	0.9	0.8	1.0	0.8	1.1	1.5
30	1.2		2.1*	0.9	0.9	1.5	0.8	0.7	1.2	0.8	1.0	0.6
31	0.5		1.3*		1.0		1.1	1.0		1.0		0.9
Mean ratio.	11	10	10	10	10	10	10	10	10	10	10	10
Mean amount of differences.	336	310	391	401	367	348	387	380	396	341	270	217

T B L E 26. — Showing, for every day, the ratio R, a relative measure of the diurnal variation, as deduced from Table C. — Vertical Force — 1886.

	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
1	0.9	0.8	0.9	0.7	1.8	1.8	0.9	0.9	1.3	1.9	1.2	2.1
2	1.8	1.0	0.7	0.7	1.3	0.8	0.7	1.2	1.0	1.0	1.8	0.9
3	0.9	1.3	1.5	1.6	0.8	1.1	0.8	0.8	0.8	1.1	0.7	0.7
4	1.0	0.9	1.4	1.5	0.8	1.6	0.8	1.3	0.7	0.7	1.6	1.2
5	1.2	1.2	1.3	1.2	0.6	0.8	0.9	0.7	1.1	1.2	0.9	0.9
6	0.8	1.5	0.8	0.9	0.8	0.8	1.2	1.0	0.9	1.5	0.6	1.0
7	1.4	1.4	1.2	1.2	1.2	0.6	1.1	0.9	0.5	0.8	0.7	1.2
8	1.2	1.3	1.3	0.8	1.0	1.0	1.3	1.0	0.9	1.0	0.8	0.8
9	2.5*	1.1	1.1	1.3	1.9	1.1	0.9	1.1	0.8	0.7	0.7	1.0
10	0.9*	1.1	1.3	1.2	1.2	1.4	0.5	1.2	1.3	0.7	0.7	0.8
11	1.3	0.7	1.1	1.1	0.8	0.8	1.2	1.1	0.9	0.8	0.9	0.9
12	0.9	1.1	1.0	1.4	1.1	1.1	1.3	1.7	0.9	1.2	1.3	1.0
13	0.5	1.2	0.9	0.9	1.0	0.6	0.9	1.0	1.2	0.9	1.7	1.1
14	0.7	0.7	1.2	1.0	0.8	0.9	1.2	1.1	0.7	0.8	1.0	1.8
15	1.0	1.3	0.7	0.8	0.7	1.1	1.3	1.1	0.7	1.1	1.3	0.7
16	1.2	0.6	1.0	0.6	0.9	0.7	0.8	0.8	0.7	1.1	0.9	1.5
17	1.1	0.5	0.9	0.9	1.1	0.8	0.7	1.0	0.8	1.4	1.1	1.0
18	0.6	0.8	0.4	0.9	0.8	0.9	1.1	0.9	1.0	0.9	1.1	0.5
19	1.3	1.3	0.8	1.1	1.2	1.1	1.5	1.3	1.1	1.2	1.0	0.9
20	0.9	1.0	0.5	0.8	0.7	0.9	1.1	0.8	1.3	0.9	1.1	0.6
21	1.0	0.7	0.8	0.8	1.6	0.8	1.2	1.0	1.5	1.0	0.7	0.9
22	2.3	0.6	1.0	0.7	0.7	1.0	1.0	0.9	0.8	0.7	0.5	1.5
23	1.1	0.7	1.5	0.8	1.0	1.3	0.9	0.9	0.3	1.1	1.0	0.9
24	1.3	0.9	1.3	1.2	1.2	0.9	0.7	0.8	0.7	0.9	0.5	0.7
25	0.9	1.2	0.7	1.5	0.7	0.8	1.4	0.8	1.0	1.0	0.8	1.3
26	1.3	1.1	1.4	0.7	0.7	0.9	1.2	0.8	0.8	1.1	0.6	0.8
27	0.3	1.3	0.7	1.1	0.8	1.4	1.0	1.1	1.7	1.3	1.9	1.1
28	0.4	0.6	0.7	0.7	0.8	0.8	0.8	0.8	1.1	0.7	1.0	0.9
29	0.6		1.0	1.3	0.8	1.1	0.8	0.8	1.6	0.7	0.8	1.2
30	0.6		1.6*	0.6	0.9	1.2	0.8	0.9	1.9	0.5	1.1	0.9
31	0.8		1.5*		1.2		0.9	1.2		1.2		0.5
Mean ratio.	11	10	10	10	10	10	10	10	10	10	10	10
Mean amount of differences.	308	319	385	304	266	250	269	249	269	283	203	154

TABLE 27. — Mean hourly and monthly amount of deviations, positive and negative taken conjointly. — Declination 1886. — Unity = 0.1.

	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Year.
1 a. m.	3.2	4.7	3.5	1.7	2.1	2.4	3.0	2.6	4.0	2.2	2.6	3.3	2.93
2	4.0	4.1	3.6	2.0	2.2	1.9	3.0	3.6	3.0	3.1	2.6	2.4	2.96
3	4.5	3.5	3.4	2.7	3.2	2.5	4.3	3.1	2.1	2.9	2.4	2.9	3.12
4	4.0	2.4	3.7	2.8	3.2	2.3	2.9	3.2	2.4	3.3	2.7	3.2	3.02
5	3.8	3.0	4.3	3.1	2.2	2.3	3.1	2.9	3.6	3.2	3.4	3.7	3.21
6	4.9	3.5	4.7	3.5	3.2	2.3	2.9	2.4	4.5	4.1	5.7	4.6	3.87
7	6.4	5.2	6.7	4.5	5.6	3.1	3.2	3.1	6.1	4.5	4.0	4.3	4.72
8	5.8	6.0	5.3	5.2	5.7	4.9	3.1	3.9	5.8	3.3	3.7	3.6	4.68
9	5.6	4.7	4.9	4.5	5.8	4.9	4.5	4.5	5.6	3.5	3.8	4.8	4.76
10	6.1	5.9	5.6	4.8	4.6	4.7	3.9	3.1	3.2	4.6	6.0	5.5	4.84
11	7.2	6.1	6.6	6.2	4.5	4.2	4.0	2.7	3.8	4.6	6.2	7.4	5.30
12	8.2	6.6	7.1	6.7	5.3	3.5	4.5	5.4	7.0	5.9	4.4	6.2	5.89
1 p. m.	6.4	5.6	5.8	5.3	6.7	5.2	4.7	4.5	7.9	5.1	3.4	5.3	5.49
2	5.3	4.1	5.1	4.1	5.2	5.2	4.4	4.1	6.3	3.1	3.2	4.5	4.56
3	5.4	4.9	3.3	3.0	3.5	4.0	3.8	4.1	4.8	2.7	3.1	3.4	3.82
4	5.3	4.6	4.0	2.7	3.1	3.3	3.8	4.0	3.5	3.1	2.8	4.4	3.70
5	7.0	3.7	4.7	3.7	4.1	3.1	2.8	3.3	3.3	2.8	3.0	3.3	3.74
6	4.1	3.2	5.5	3.2	4.1	2.8	4.0	3.9	2.4	2.4	2.9	2.5	3.43
7	3.8	2.6	4.2	3.7	3.7	3.1	3.7	3.8	2.1	2.6	3.4	3.5	3.37
8	2.9	3.2	3.6	3.7	2.7	2.7	2.9	2.8	1.8	1.8	2.3	2.4	2.73
9	2.8	3.2	3.5	3.1	2.5	2.2	2.9	2.1	2.2	1.8	2.6	2.6	2.62
10	2.5	3.2	2.8	3.4	2.4	2.2	1.9	1.8	2.7	2.9	3.2	2.8	2.64
11	3.1	2.9	2.6	2.9	3.4	1.5	2.0	2.4	3.4	2.7	2.4	2.8	2.67
12	2.6	2.4	3.1	3.3	2.8	1.8	2.2	2.4	4.3	3.0	3.0	2.3	2.68
Monthly means.	4.79	4.14	4.48	3.70	3.83	3.17	3.40	3.32	3.99	3.30	3.45	3.82	3.78

TABLE 28. — Mean hourly and monthly amount of deviations, positive and negative taken conjointly. — Horizontal Force. — Unity = 0.00001 c. g. s.

	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Year.
1 a. m.	6.4	4.0	4.5	7.1	5.3	3.7	4.2	3.2	4.6	6.6	6.7	7.3	5.30
2	5.0	4.8	5.2	7.6	4.8	5.8	5.9	5.6	5.1	6.0	3.3	6.2	5.45
3	6.0	5.5	4.8	6.7	7.4	4.5	6.2	5.5	5.5	6.6	6.2	5.0	5.82
4	5.3	3.9	6.6	6.4	6.2	3.3	6.5	5.9	4.1	5.0	6.5	4.5	5.38
5	6.2	4.3	6.5	7.7	6.2	2.7	5.5	6.3	4.4	6.2	5.9	4.9	5.58
6	7.3	5.1	5.6	8.3	5.0	4.1	5.0	6.6	5.6	5.2	5.4	3.5	5.56
7	6.6	5.4	6.5	6.1	5.4	4.9	6.1	6.0	5.3	5.7	5.1	4.1	5.61
8	6.6	5.9	7.9	6.2	6.2	5.8	4.8	4.3	5.2	4.6	6.1	4.3	5.66
9	5.2	4.4	6.6	6.5	6.3	5.4	4.8	4.9	5.7	4.4	4.8	4.1	5.26
10	4.4	3.2	6.7	5.5	6.6	4.8	5.6	6.1	4.8	4.8	4.5	4.6	5.15
11	6.2	3.9	6.0	7.4	7.1	6.1	5.3	5.3	5.3	6.0	6.6	5.7	5.93
12	7.3	5.3	6.5	9.3	7.5	4.9	8.1	8.3	5.6	6.7	7.9	6.0	6.96
1 p. m.	5.9	5.9	8.1	9.6	8.7	5.5	7.8	5.7	7.3	9.5	8.0	6.6	7.40
2	9.5	6.4	7.8	8.0	9.9	6.0	10.9	6.5	8.0	10.1	6.1	5.7	7.94
3	10.3	6.5	7.6	6.9	9.9	7.0	8.4	6.3	10.5	7.6	6.9	5.7	7.80
4	9.6	8.5	11.4	4.7	7.6	6.3	6.2	6.9	7.0	6.4	6.1	4.6	7.11
5	9.3	7.0	8.1	5.6	6.7	5.9	6.0	5.7	5.4	8.3	6.0	5.1	6.59
6	5.9	4.9	8.4	7.4	6.7	6.1	5.5	7.5	4.9	6.6	4.8	5.8	6.22
7	6.0	5.0	7.0	7.8	7.6	5.2	4.0	7.0	5.5	5.4	9.1	5.8	6.28
8	6.7	6.5	7.2	5.5	6.9	5.3	3.9	6.5	6.0	5.0	7.9	5.0	6.02
9	5.5	6.2	9.7	6.0	4.7	4.4	4.7	4.9	5.1	4.7	7.5	4.8	5.69
10	8.1	6.4	8.1	7.0	5.1	4.4	4.4	6.0	5.0	5.0	5.7	6.4	5.98
11	6.6	5.5	6.3	6.7	6.1	6.6	4.0	3.7	4.7	7.2	5.1	5.8	5.71
12	7.2	5.8	5.7	6.1	9.3	5.4	5.1	5.1	5.7	5.9	5.5	7.0	6.15
Monthly means.	6.80	5.43	7.03	6.92	6.80	5.17	5.79	5.83	5.68	6.23	6.15	5.35	6.11

TABLE 29. — Mean hourly and monthly amount of deviations, positive and negative taken conjointly. — Vertical Force 1886. — Unity = 0.00001 c. g. s.

	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual means.
1 a. m.	5.0	3.9	4.0	6.4	5.0	3.2	4.3	2.8	5.4	6.3	5.0	4.7	4.66
2	3.7	3.6	4.7	6.1	4.2	4.9	4.8	4.5	5.4	5.1	4.1	4.6	4.65
3	5.5	4.2	4.6	5.8	5.6	4.7	5.4	4.5	4.5	5.6	3.9	4.7	4.93
4	4.4	3.3	5.2	4.6	5.4	4.8	5.8	4.4	4.9	4.9	4.1	3.3	4.60
5	5.2	3.7	4.9	4.8	5.5	4.7	5.3	4.4	4.6	5.4	3.8	3.1	4.64
6	6.7	5.3	5.0	4.8	5.7	5.4	5.6	5.4	6.5	5.8	3.8	3.7	5.30
7	6.7	5.3	6.9	6.3	6.2	5.4	5.9	6.3	6.6	6.1	5.3	4.6	5.97
8	8.3	8.4	7.9	7.1	8.1	7.5	7.3	4.6	7.5	8.1	8.1	5.9	7.39
9	9.0	9.0	8.2	5.3	9.1	7.3	7.5	6.3	7.7	8.5	8.9	7.1	7.75
10	7.7	7.7	10.8	5.7	9.2	6.9	7.6	7.4	7.3	6.5	6.9	7.4	7.59
11	6.3	6.9	8.2	6.3	9.8	7.9	6.1	7.9	6.7	7.0	4.4	5.0	6.90
12	8.6	7.6	5.0	7.2	8.5	5.7	6.9	8.5	5.4	6.1	6.0	4.2	6.65
1 p. m.	8.9	7.1	7.7	7.1	8.8	5.4	7.0	5.1	8.0	6.5	5.1	4.9	6.80
2	9.6	7.4	9.7	6.2	9.9	6.3	9.2	6.4	7.7	7.2	4.8	6.0	7.55
3	10.7	7.0	9.9	6.7	9.2	7.1	7.1	7.4	7.1	7.7	5.4	5.9	7.63
4	12.7	8.6	10.6	7.0	6.8	6.8	6.1	6.6	4.9	6.8	4.2	4.3	7.13
5	11.9	8.7	9.1	5.5	5.0	4.8	4.6	4.4	4.3	6.8	4.4	3.7	6.10
6	8.3	6.6	6.3	5.5	4.5	3.9	4.1	4.0	4.6	5.2	4.1	4.0	5.09
7	6.0	5.3	5.8	4.9	5.5	3.1	3.0	3.1	4.6	4.5	5.4	3.5	4.55
8	6.7	5.0	6.8	4.0	5.4	3.9	2.5	3.6	3.7	4.1	4.8	3.3	4.48
9	5.1	4.5	6.3	4.4	4.7	3.1	3.9	3.3	3.8	3.8	4.1	3.1	4.18
10	6.3	4.9	5.5	5.5	5.8	3.6	3.8	4.0	4.3	3.5	3.3	4.4	4.57
11	5.1	5.1	4.4	5.8	5.4	5.1	3.7	3.0	5.8	4.6	4.0	4.1	4.68
12	5.0	5.1	3.6	4.4	7.7	4.3	4.5	4.8	6.4	4.1	3.9	3.8	4.80
	7.23	6.01	6.71	5.73	6.71	5.24	5.50	5.11	5.74	5.84	4.87	4.55	5.77

TABLE 30. — Agregate values and numbers of disturbances, positive and negative taken separately.

	Declination, in minutes of arc.				Horizontal Force, unity = 0.00001 c. g. s.				Vertical Force, unity = 0.00001 c. g. s.			
1886.	Aggregate values		Numbers		Aggregate values		Numbers		Aggregate values		Numbers	
	positive	negative	positive	negative	positive	negative	positive	negative	positive	negative	positive	negative
January	41.6	43.5	21	23	1199	1454	67	70	1658	1290	84	77
February	21.0	30.8	11	18	613	706	44	45	930	746	62	49
March	34.0	32.9	19	19	1238	1414	68	73	1315	1300	73	78
April	9.9	5.4	7	4	1292	1219	67	62	731	661	46	44
May	28.7	9.6	17	6	1163	1285	67	58	1259	1407	65	85
June	8.5	16.0	6	7	481	765	31	43	724	624	47	43
July	6.1	8.1	4	5	996	886	63	48	787	750	51	47
August	9.3	5.3	6	3	754	967	47	51	673	551	43	35
September	12.9	23.8	8	17	864	853	52	50	779	1027	47	57
October	8.8	5.5	6	4	1032	1108	58	64	996	736	53	46
November.	11.5	14.1	8	10	1023	1037	65	66	524	518	38	35
December.	20.3	20.1	13	12	705	697	45	44	590	441	43	28
Total Amount.	212.6	209.1	126	128	11360	12391	674	674	10966	10051	652	624

TABLE 31. — Agregate value, numbers of disturbances, and mean daily value and number, positive and negative taken conjointly.

1886.	Declination in minutes of arc.				Horizontal Force; unity = 0.00001 c. g. s.				Vertical Force; unity = 0.00001 c. g. s.			
	Agregate values.	Numbers.	Mean daily value.	Mean daily number.	Agregate values.	Number.	Mean daily value.	Mean daily number.	Agregate values.	Number.	Mean daily value.	Mean daily number.
January	85.1	44	2.75	1.4	2653	137	85.6	4.4	2948	161	95.1	5.2
February	51.8	29	1.85	1.0	1319	89	47.1	3.2	1676	111	59.9	4.0
March	66.9	38	2.16	1.2	2652	141	85.5	4.5	2615	151	84.4	4.9
April	15.3	11	0.51	0.4	2511	129	83.7	4.3	1392	90	46.4	3.0
May	38.3	23	1.24	0.7	2448	125	79.0	4.0	2666	150	86.0	4.8
June	18.5	13	0.62	0.4	1246	74	41.5	2.5	1348	90	44.9	3.0
July	14.2	9	0.46	0.3	1882	111	60.7	3.6	1537	98	49.6	3.2
August	14.6	9	0.47	0.3	1721	98	55.5	3.2	1224	78	39.5	2.5
September	36.7	25	1.22	0.8	1717	102	57.2	3.4	1806	101	60.2	3.5
October	14.3	10	0.46	0.3	2131	122	68.7	3.9	1732	99	55.9	3.2
November	25.6	18	0.85	0.6	2069	131	69.0	4.4	1042	73	34.7	2.4
December	40.4	25	1.30	0.8	1402	89	45.2	2.9	1031	71	33.3	2.3
Total amount.	421.7	254	13.89	8.2	23751	1348	778.7	44.3	21017	1276	689.9	42.0
Means.			1.158	0.68			64.89	3.69			57.49	3.50

TABLE 32. — Mean diurnal variation of Easterly declination. — 1884.
Corrected for disturbances; minutes of arc.

	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Year.
1 a. m.	0.13	0.00	0.02	0.14	0.14	0.04	0.05	0.17	0.18	0.11	— 0.19	0.08	0.07
2	0.12	— 0.02	0.09	0.34	0.21	0.22	0.29	0.39	0.33	0.15	— 0.34	— 0.00	0.15
3	0.17	— 0.04	0.05	0.39	0.29	0.29	0.48	0.52	0.41	0.23	— 0.39	— 0.11	0.19
4	0.01	— 0.16	— 0.12	0.27	0.37	0.36	0.60	0.61	0.43	0.26	— 0.49	— 0.27	0.16
5	— 0.19	— 0.44	— 0.29	0.13	0.31	0.44	0.71	0.78	0.42	0.15	— 0.76	— 0.60	0.06
6	— 0.86	— 1.23	— 0.58	— 0.02	0.72	0.73	1.02	1.22	0.73	— 0.03	— 1.70	— 1.33	— 0.11
7	— 2.03	— 2.37	— 1.30	— 0.65	1.01	1.48	1.42	1.52	0.03	— 0.76	— 2.16	— 1.95	— 0.48
8	— 2.69	— 2.89	— 2.75	— 1.95	— 0.34	0.38	0.12	— 0.38	— 1.16	— 1.95	— 2.39	— 2.21	— 1.52
9	— 2.30	— 2.01	— 2.79	— 2.65	— 1.61	— 0.70	— 1.29	— 1.92	— 1.83	— 2.35	— 1.92	— 1.78	— 1.93
10	— 1.84	— 1.03	— 2.17	— 2.09	— 2.11	— 1.31	— 1.91	— 2.64	— 1.93	— 2.01	— 0.96	— 1.23	— 1.77
11	— 0.62	0.07	— 0.84	— 0.76	— 1.92	— 1.44	— 1.64	— 2.49	— 1.52	— 1.19	0.16	— 0.41	— 1.05
12	0.86	1.52	0.61	0.13	— 1.11	— 1.07	— 1.31	— 1.75	— 0.46	0.08	1.27	0.66	— 0.05
1 p. m.	1.89	2.04	1.53	0.65	— 0.20	— 0.51	— 0.47	— 0.72	0.31	1.20	1.96	1.51	0.76
2	1.90	1.64	1.80	1.18	0.61	0.07	0.49	0.40	0.61	1.56	2.10	1.76	1.18
3	1.96	1.44	1.60	1.47	1.35	0.73	1.07	1.16	0.74	1.53	2.01	1.58	1.39
4	1.50	0.96	1.06	1.33	1.52	0.98	0.96	1.31	0.93	1.19	1.49	1.39	1.22
5	0.79	0.61	0.78	0.97	1.02	0.67	0.64	1.07	0.84	0.72	0.91	0.95	0.83
6	0.48	0.31	0.54	0.75	0.42	0.09	0.05	0.54	0.45	0.45	0.34	0.35	0.40
7	0.72	0.46	0.74	0.57	0.21	— 0.12	— 0.21	0.20	0.39	0.47	0.42	0.54	0.37
8	0.50	0.29	0.40	0.28	— 0.07	— 0.29	— 0.38	0.11	0.31	0.31	0.24	0.46	0.18
9	0.33	0.21	0.13	0.08	— 0.21	— 0.47	— 0.40	— 0.14	0.16	0.11	0.10	0.41	0.03
10	0.16	0.14	0.01	— 0.01	— 0.21	— 0.49	— 0.42	— 0.13	0.00	— 0.03	0.13	0.26	0.07
11	0.13	0.07	— 0.05	0.03	— 0.10	— 0.39	— 0.26	— 0.06	0.13	— 0.01	— 0.14	0.13	— 0.04
12	0.10	0.06	— 0.11	0.08	0.00	— 0.22	— 0.13	0.02	0.12	— 0.07	— 0.16	0.06	— 0.02
Total amount of variation.	22.28	20.01	20.36	16.92	16.06	13.52	16.32	20.25	14.42	16.92	22.73	20.03	14.03

T A B L E 33. — Mean diurnal variation of Easterly Declination. — 1885.
Corrected for disturbances; minutes of arc.

	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Year.
1 a. m.	0.02	0.10	— 0.06	0.08	— 0.05	0.02	0.01	— 0.13	— 0.22	0.00	— 0.22	— 0.23	— 0.06
2	— 0.11	0.14	— 0.02	0.20	0.09	0.14	0.11	0.05	— 0.12	0.01	— 0.11	— 0.24	0.01
3	— 0.29	0.07	— 0.02	0.21	0.12	0.24	0.28	0.13	— 0.05	0.06	— 0.27	— 0.33	0.01
4	— 0.64	0.07	— 0.06	0.01	0.21	0.34	0.39	0.23	0.07	0.01	— 0.36	— 0.53	— 0.02
5	— 0.89	— 0.17	— 0.26	— 0.05	0.31	0.34	0.48	0.54	0.18	— 0.08	— 0.56	— 0.65	— 0.07
6	— 1.53	— 0.53	— 0.26	— 0.17	0.48	0.45	0.77	1.13	0.44	— 0.16	— 1.33	— 1.34	— 0.17
7	— 2.17	— 1.88	— 1.17	— 0.80	0.96	1.03	1.16	1.49	0.32	— 0.66	— 2.06	— 1.97	— 0.48
8	— 2.14	— 3.20	— 2.19	— 1.99	0.00	0.27	0.34	0.48	— 0.58	— 1.93	— 2.33	— 1.99	— 1.27
9	— 1.47	— 2.99	— 2.20	— 2.20	— 0.08	— 0.68	— 0.65	— 0.69	— 1.21	— 2.35	— 2.14	— 1.67	— 1.53
10	0.60	— 1.94	— 1.57	— 1.56	— 1.26	— 1.08	— 1.38	— 1.55	— 1.34	— 2.14	— 1.39	— 0.89	— 1.39
11	0.00	— 0.63	— 0.57	— 0.63	— 1.23	— 1.19	— 1.55	— 2.11	— 1.05	— 1.24	— 0.25	— 0.12	— 0.88
12	1.00	0.80	0.33	0.51	— 0.89	— 0.80	— 1.28	— 1.93	— 0.54	0.00	0.97	0.90	— 0.08
1 p. m.	1.24	1.72	1.00	0.77	— 0.27	— 0.24	— 0.70	— 1.08	0.24	1.16	1.93	1.76	0.63
2	1.21	2.06	1.45	0.96	0.28	0.40	0.10	— 0.22	0.55	1.59	2.16	1.89	1.04
3	1.35	2.14	1.63	1.11	0.81	0.83	0.91	1.09	0.98	1.82	2.04	1.90	1.38
4	0.85	1.58	1.44	1.24	0.98	0.86	1.25	1.68	1.44	1.38	1.70	1.54	1.33
5	0.68	1.13	1.03	1.11	0.80	0.76	1.04	1.59	1.25	1.13	1.14	1.01	1.06
6	0.55	0.85	0.70	0.67	0.41	— 0.03	0.14	0.71	0.54	0.70	0.49	0.48	0.52
7	0.71	0.91	0.59	0.47	0.14	— 0.10	— 0.12	0.21	0.28	0.57	0.49	0.38	0.38
8	0.46	0.46	0.41	0.13	— 0.10	— 0.27	— 0.29	0.02	0.12	0.22	0.30	0.31	0.15
9	0.50	0.44	0.08	— 0.08	— 0.16	— 0.36	— 0.37	— 0.21	— 0.08	0.14	0.15	0.20	0.02
10	0.26	0.25	— 0.02	— 0.10	— 0.24	— 0.41	— 0.43	— 0.34	— 0.22	— 0.03	— 0.07	— 0.06	— 0.12
11	0.25	0.13	— 0.05	— 0.12	— 0.26	— 0.26	— 0.34	— 0.34	— 0.23	— 0.10	— 0.07	— 0.08	— 0.12
12	0.07	— 0.04	— 0.09	— 0.06	— 0.14	— 0.17	— 0.21	— 0.36	— 0.16	— 0.05	— 0.26	— 0.17	— 0.14
Total amount of variation.	18.99	24.23	17.20	15.23	10.27	11.27	14.30	18.31	12.21	17.53	22.79	20.64	12.86

T A B L E 34. — Mean diurnal variation of Horizontal Force. — 1884.
Corrected for disturbances. Unity = 0.00001 c. g. s.

	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Year.
1 a. m.	— 15.2	— 15.0	— 20.5	— 17.9	— 13.9	— 12.5	— 13.2	— 13.9	— 17.2	— 15.6	— 13.2	— 11.3	— 15.0
2	— 14.2	— 13.8	— 19.0	— 15.8	— 12.4	— 11.3	— 11.4	— 14.0	— 15.9	— 11.5	— 11.7	— 10.2	— 13.4
3	— 13.6	12.3	— 16.8	— 13.7	— 11.1	— 10.0	— 8.9	— 11.7	— 14.8	— 10.9	— 9.3	— 8.9	— 11.8
4	— 13.2	— 11.9	— 15.7	— 12.7	— 9.1	— 8.6	— 8.1	— 9.8	— 11.8	— 9.1	— 8.7	— 7.3	— 10.5
5	— 11.9	— 10.8	— 13.8	— 10.3	— 7.2	— 6.4	— 7.6	— 7.8	— 8.4	— 6.3	— 7.4	— 5.5	— 8.6
6	— 9.8	— 8.4	— 8.4	— 7.2	— 2.2	— 1.5	— 1.9	— 2.1	— 6.3	— 3.7	— 3.5	— 2.5	— 4.8
7	— 4.5	— 2.6	— 2.5	— 0.7	6.3	8.4	7.3	7.7	6.5	1.8	3.0	1.3	2.7
8	8.1	8.5	13.6	13.3	15.2	18.4	18.8	18.0	20.4	14.5	11.5	9.2	14.1
9	24.0	22.5	29.7	30.7	26.7	28.8	26.6	29.6	34.3	27.9	22.1	17.3	26.7
10	40.1	35.3	43.5	46.7	37.8	38.2	35.8	39.5	43.2	36.6	32.1	27.1	38.0
11	47.8	41.6	55.0	53.7	42.3	38.5	41.5	41.8	49.6	42.3	33.0	28.6	43.0
12	43.7	38.3	51.3	52.0	34.9	33.2	35.9	34.9	44.5	36.1	30.0	28.9	38.6
1 p. m.	35.5	29.3	38.9	36.4	24.8	25.4	26.6	24.5	31.1	26.9	22.0	20.6	28.5
2	19.0	17.7	21.9	19.9	11.3	13.1	11.4	10.8	11.5	10.7	11.0	12.3	14.2
3	5.2	4.7	3.7	2.9	— 1.5	0.7	— 3.1	— 4.3	— 3.5	— 1.5	2.6	2.4	0.7
4	6.9	— 4.3	— 5.5	— 7.5	— 11.8	— 12.1	— 12.8	— 13.5	— 11.5	— 7.8	— 3.2	— 4.1	— 8.4
5	— 13.5	— 9.6	— 11.3	— 12.9	— 16.3	— 17.5	— 15.7	— 16.8	— 14.6	— 12.0	— 7.9	— 8.3	— 13.0
6	— 16.0	— 11.6	— 14.6	— 14.2	— 15.2	— 17.9	— 14.4	— 14.0	— 15.0	— 13.2	— 11.7	— 10.7	— 14.0
7	— 17.3	— 15.2	— 17.3	— 19.2	— 15.7	— 16.2	— 14.2	— 14.7	— 17.6	— 16.3	— 14.4	— 12.3	— 15.9
8	17.1	— 13.7	— 21.6	— 22.6	— 16.7	— 16.7	— 15.4	— 15.9	— 20.3	— 16.3	— 14.1	— 11.8	— 16.9
9	17.5	— 14.3	— 21.5	— 24.9	— 18.9	— 17.3	— 17.0	— 16.2	— 20.8	— 18.3	— 15.7	— 13.2	— 18.0
10	17.2	— 14.4	— 22.4	— 24.4	— 18.0	— 19.3	— 15.6	— 17.1	— 19.7	— 17.6	— 15.0	— 11.7	— 17.7
11	— 16.5	— 15.9	— 22.6	— 23.1	— 17.6	— 17.7	— 16.2	— 17.4	— 20.0	— 17.6	— 14.7	— 12.0	— 17.6
12	— 15.7	— 16.8	— 22.4	— 20.3	— 14.6	— 14.3	— 14.4	— 14.8	— 19.5	— 17.7	— 14.4	— 11.9	— 16.4
Total amount of variation.	443.8	388.5	513.5	503.0	401.5	404.0	393.8	410.8	478.0	392.2	332.2	289.4	408.5

TABLE 35. — Mean diurnal variation of Horizontal Force. — 1885.
Corrected for disturbances. Unity = 0.00001 c. g. s.

	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Year.
1 a. m.	— 10.2	— 13.4	— 17.4	— 17.9	— 13.6	— 11.3	— 13.7	— 12.6	— 13.5	— 14.4	— 10.5	— 10.0	— 13.2
2	— 9.8	— 14.7	— 14.8	— 15.4	— 14.6	— 10.0	— 12.4	— 11.0	— 11.2	— 12.5	— 9.4	— 10.4	— 12.2
3	— 10.0	— 11.7	— 12.6	— 13.2	— 11.1	— 7.3	— 10.6	— 9.3	— 10.0	— 8.0	— 6.9	— 7.9	— 9.9
4	— 9.7	— 11.7	— 10.7	— 10.2	— 10.9	— 6.3	— 7.4	— 5.3	— 8.8	— 5.5	— 6.4	— 5.8	— 8.2
5	— 8.9	— 10.6	— 8.4	— 8.6	— 6.9	— 3.9	— 5.6	— 2.3	— 5.5	— 4.1	— 4.0	— 5.7	— 6.2
6	— 4.7	— 8.4	— 5.4	— 5.1	— 0.9	0.8	0.6	2.4	1.3	— 1.0	— 1.1	— 2.2	— 2.2
7	0.9	— 3.7	— 2.6	2.2	8.5	6.8	10.7	13.6	10.0	7.0	4.7	4.2	5.2
8	7.9	3.1	9.4	15.0	15.9	14.4	18.8	24.2	19.6	18.3	12.4	9.7	14.1
9	19.4	18.6	20.6	27.2	27.8	24.6	26.4	32.1	31.7	27.5	21.5	17.3	24.6
10	30.5	34.0	33.5	41.2	38.4	31.2	32.0	37.7	40.1	32.8	26.5	24.7	33.6
11	32.8	40.4	41.9	48.8	40.5	37.7	35.4	38.6	42.7	37.1	28.0	28.1	37.7
12	29.5	41.6	44.2	43.3	37.5	31.9	31.4	33.5	39.0	34.7	24.5	24.1	34.6
1 p. m.	21.3	32.2	37.0	28.9	28.4	22.6	22.3	20.8	30.5	25.4	17.7	19.0	25.5
2	11.9	18.3	18.4	16.5	13.7	13.1	10.7	8.1	11.6	10.6	11.7	9.9	12.9
3	1.0	6.7	3.1	1.4	1.2	0.9	— 3.7	— 4.7	— 2.2	— 1.9	3.4	1.0	0.5
4	— 8.3	— 5.2	— 7.4	— 9.0	— 9.4	— 9.5	— 12.0	— 17.4	— 13.0	— 9.1	— 3.3	— 5.1	— 9.1
5	— 11.4	— 10.2	— 10.3	— 14.5	— 16.4	— 13.2	— 17.5	— 19.5	— 17.3	— 11.6	— 7.8	— 8.4	— 13.2
6	— 11.2	— 9.5	— 12.3	— 15.0	— 19.4	— 14.4	— 14.7	— 17.4	— 17.0	— 14.0	— 9.8	— 10.2	— 13.7
7	— 11.5	— 12.2	— 15.5	— 17.0	— 17.0	— 16.2	— 15.1	— 15.5	— 15.4	— 15.2	— 13.7	— 10.5	— 14.6
8	— 11.4	— 13.3	— 14.0	— 19.3	— 18.0	— 15.8	— 15.7	— 16.5	— 17.7	— 13.9	— 11.3	— 10.7	— 14.8
9	— 11.8	— 12.4	— 14.0	— 19.6	— 19.1	— 16.6	— 16.7	— 17.0	— 19.6	— 17.6	— 11.3	— 11.8	— 15.6
10	— 12.2	— 14.2	— 14.8	— 20.0	— 19.2	— 16.1	— 16.2	— 16.2	— 20.1	— 16.4	— 10.9	— 11.4	— 15.6
11	13.4	— 15.5	— 16.7	— 17.7	— 19.2	— 16.4	— 15.8	— 17.6	— 18.2	— 16.3	— 13.7	— 12.7	— 16.1
12	— 11.8	— 14.6	— 16.3	— 18.6	— 16.5	— 13.9	— 15.2	— 15.0	— 16.3	— 16.1	— 12.8	— 12.0	— 14.9
Total amount of variation.	311.5	376.2	401.3	445.6	424.1	354.9	380.6	408.3	432.3	371.0	283.3	272.8	368.2

TABLE 36. — Mean diurnal variation of Vertical Force. — 1884.
Corrected for disturbances. Unity = 0.00001 c. g. s.

	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Year.
1 a. m.	11.9	12.9	12.2	12.8	7.5	7.4	7.0	10.7	15.5	14.1	13.6	7.4	11.1
2	9.2	11.3	10.5	8.9	6.6	5.2	5.0	9.2	10.9	9.4	10.2	5.7	8.5
3	7.7	9.0	7.9	8.6	5.0	3.8	3.1	7.5	6.9	6.7	7.5	4.8	6.5
4	6.3	7.4	6.3	6.7	3.2	1.3	1.1	4.2	0.9	3.4	4.3	3.6	4.1
5	5.0	6.4	4.8	5.1	1.7	— 0.4	— 0.4	1.2	— 3.2	0.0	3.3	2.4	2.2
6	5.9	7.5	5.1	3.0	— 2.9	— 6.8	— 6.3	— 5.1	— 6.1	— 2.0	6.0	5.7	0.3
7	6.2	6.7	4.2	1.8	— 5.0	— 10.6	— 9.9	— 9.6	— 7.2	— 0.2	0.6	3.3	— 1.6
8	— 2.8	— 2.6	— 4.6	— 5.6	— 7.4	— 14.7	— 11.2	— 13.1	— 14.2	— 11.2	— 13.4	— 3.4	— 8.7
9	— 14.2	— 17.4	— 20.1	— 17.1	— 11.7	— 15.7	— 13.0	— 13.3	— 24.4	— 23.4	— 23.7	— 10.3	— 17.0
10	— 31.5	— 32.4	— 36.3	— 34.8	— 21.8	— 20.3	— 19.0	— 23.9	— 36.6	— 37.7	— 37.1	— 16.4	— 29.0
11	— 46.9	— 40.3	— 45.3	— 42.1	— 23.1	— 22.9	— 25.9	— 33.5	— 48.1	— 53.7	— 48.2	— 22.9	— 37.7
12	— 44.9	— 42.1	— 45.8	— 40.1	— 26.8	— 21.6	— 23.9	— 30.4	— 46.0	— 51.0	— 47.8	— 25.3	— 37.1
1 p. m.	— 35.2	— 32.3	— 34.7	— 33.1	— 23.0	— 18.1	— 19.8	— 26.5	— 32.6	— 37.4	— 37.0	— 22.9	— 29.4
2	— 19.3	— 19.2	— 18.1	— 20.9	— 14.1	— 14.3	— 12.6	— 19.9	— 14.7	— 18.3	— 20.5	— 11.7	— 17.0
3	— 3.1	— 5.3	— 5.3	— 6.9	— 8.0	— 5.3	— 2.5	— 6.4	— 0.6	— 0.2	— 5.4	— 5.3	— 4.5
4	6.7	5.7	7.5	5.2	3.2	6.5	7.0	6.9	11.4	12.5	8.3	0.8	6.8
5	15.1	11.5	13.4	13.5	13.8	13.7	13.6	14.3	17.5	19.3	20.3	7.9	14.5
6	19.6	14.6	15.6	16.6	15.5	16.7	15.7	18.1	22.8	22.6	23.8	11.0	17.7
7	19.0	14.5	18.1	20.3	15.6	17.0	15.8	20.8	25.0	24.4	27.3	11.0	19.1
8	17.9	15.3	18.5	20.6	15.8	16.7	15.7	20.6	26.6	25.5	27.7	9.9	19.2
9	18.7	14.6	19.8	21.2	16.6	16.4	15.8	20.3	27.8	24.6	26.0	10.8	19.4
10	18.0	15.6	18.6	20.2	15.4	15.1	14.2	19.3	25.8	24.2	23.1	10.9	18.4
11	16.4	16.3	18.8	18.7	13.5	12.8	11.9	17.3	23.4	21.2	19.5	9.2	16.6
12	13.5	15.0	16.4	16.0	9.9	9.7	9.5	13.4	18.6	16.9	17.6	8.9	13.8
Total amount of variation.	395.0	375.9	407.9	399.8	287.1	293.0	279.9	365.5	466.8	459.9	472.2	231.5	360.2

TABLE 37. — Mean diurnal variation of Vertical Force. — 1885.

Corrected for disturbances. Unity = 0.00001 c. g. s.

	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Year.
1 a. m.	6.2	11.3	10.3	12.2	8.6	6.3	8.7	8.5	7.8	10.1	9.4	8.6	9.0
2	6.2	11.2	7.2	9.8	7.2	5.2	6.3	5.3	7.0	7.4	7.9	8.6	7.4
3	7.2	7.7	6.0	6.5	5.1	4.6	6.1	4.2	4.4	4.1	6.4	6.1	5.7
4	6.2	7.1	5.0	6.1	5.5	3.8	4.1	1.0	1.7	1.3	5.4	4.9	4.3
5	5.1	7.8	3.1	5.9	4.2	2.4	2.5	— 1.5	0.3	0.8	5.3	4.8	3.4
6	6.9	9.0	3.6	5.0	— 2.5	— 4.0	— 3.9	— 9.6	— 3.4	— 0.4	7.6	5.5	1.2
7	4.6	14.0	8.7	6.3	— 6.3	— 7.4	— 8.4	— 11.8	0.7	2.9	6.0	4.5	1.2
8	— 0.3	5.9	2.7	— 2.1	— 8.6	— 10.2	— 12.2	— 12.5	— 4.8	1.6	— 1.7	— 1.8	— 3.7
9	— 9.6	— 13.0	— 11.2	— 17.0	— 12.8	— 15.9	— 15.4	— 16.0	— 13.9	— 11.9	— 13.6	— 13.7	— 13.7
10	— 21.7	— 31.2	— 26.7	— 35.7	— 24.4	— 22.1	— 20.5	— 17.4	— 25.3	— 26.3	— 25.8	— 25.9	— 25.3
11	— 26.1	— 44.0	— 36.2	— 45.3	— 26.4	— 25.1	— 21.7	— 21.1	— 29.5	— 38.9	— 34.3	— 29.2	— 31.5
12	— 23.6	— 44.6	— 37.1	— 40.6	— 22.7	— 23.9	— 22.1	— 21.5	— 30.8	— 37.1	— 33.5	— 31.3	— 30.7
1 p. m.	— 19.5	— 33.7	— 32.0	— 27.6	— 21.3	— 17.4	— 17.8	— 16.4	— 25.3	— 29.9	— 29.6	— 27.3	— 24.8
2	— 9.9	— 19.7	— 15.5	— 15.0	— 12.1	— 8.8	— 14.8	— 12.4	— 12.4	— 15.2	— 21.0	— 17.2	— 14.5
3	— 1.9	— 7.4	— 1.5	— 0.3	— 7.0	— 4.3	— 10.0	— 10.7	— 3.4	— 3.4	— 7.9	— 8.3	— 5.5
4	3.0	5.8	7.2	8.1	3.2	4.4	0.8	3.3	7.8	7.1	3.0	3.0	4.7
5	7.2	10.4	10.1	12.1	11.8	11.3	9.8	11.2	14.3	12.4	8.5	11.4	10.9
6	7.5	12.1	10.3	14.8	16.1	16.7	15.2	16.1	13.4	16.8	12.2	12.5	13.6
7	7.1	12.5	12.7	16.5	16.1	16.2	15.1	14.9	14.7	16.9	14.7	12.3	14.1
8	7.4	15.2	12.3	18.1	14.8	14.7	15.1	15.1	15.1	15.6	13.2	11.6	14.0
9	7.2	14.6	12.5	17.2	16.0	15.4	15.6	16.3	17.0	16.1	13.1	12.6	14.5
10	8.3	14.8	12.7	16.1	14.6	14.1	14.7	15.1	16.5	15.8	13.9	13.2	14.2
11	8.9	15.0	11.7	14.7	13.6	11.8	12.5	13.5	13.1	15.2	14.8	13.2	13.2
12	7.9	12.8	11.4	13.3	11.2	9.3	10.4	10.4	11.0	12.9	12.1	10.2	11.1
Total amount of variation.	219.5	380.8	307.7	366.3	292.1	275.3	283.7	285.8	293.6	320.1	320.9	297.7	292.2

TABLE 38. — Mean diurnal variation of Declination and Horizontal Force during the months July–December 1886.

Observed by means of Wild's magnetometers.

Easterly Declination; minutes of arc.							Horizontal Force; Unity = 0.00001 c. g. s.						
	July.	August.	September.	October.	November.	December.	July.	August.	September.	October.	November.	December.	
1 a. m.	— 0.04	— 0.04	0.06	— 0.02	— 0.14	— 0.20	— 9.5	— 8.9	— 10.3	— 7.2	— 4.0	— 2.8	
2	0.12	0.13	0.15	— 0.03	— 0.13	— 0.22	— 7.0	— 7.4	— 7.0	— 5.5	— 3.5	— 1.5	
3	0.20	0.32	0.30	0.00	— 0.14	— 0.29	— 4.3	— 4.3	— 7.0	— 1.2	— 1.8	— 1.2	
4	0.26	0.35	0.41	— 0.04	— 0.20	— 0.40	— 2.5	— 1.3	— 4.7	— 1.7	0.8	0.5	
5	0.38	0.52	0.38	— 0.06	— 0.38	— 0.62	— 1.3	1.2	— 1.3	1.3	0.1	0.2	
6	0.59	0.73	0.67	— 0.04	— 0.68	— 1.08	1.9	6.8	1.5	1.2	2.4	3.0	
7	0.96	1.10	0.48	— 0.84	— 1.44	— 1.70	11.5	14.9	7.7	7.4	6.7	7.2	
8	0.40	— 0.01	— 0.79	— 1.69	— 2.21	— 2.01	21.3	20.8	19.6	15.7	12.3	10.9	
9	— 0.42	— 1.18	— 1.88	— 1.96	— 2.26	— 1.84	27.3	25.7	28.0	22.9	20.2	15.0	
10	— 0.87	— 1.75	— 2.22	— 1.89	— 1.84	— 1.21	32.6	29.7	35.0	26.8	23.8	16.5	
11	— 1.00	— 1.82	— 1.84	— 1.33	— 0.70	— 0.38	35.0	30.4	37.1	27.9	19.8	13.8	
12	— 0.73	— 1.46	— 1.08	— 0.09	0.54	0.37	29.3	25.0	30.9	24.0	13.6	11.1	
1 p. m.	— 0.33	— 0.72	— 0.12	0.95	1.47	1.16	18.3	16.7	18.7	13.5	7.6	4.9	
2	0.32	0.17	0.62	1.44	1.85	1.57	5.6	7.1	4.3	2.6	1.9	1.1	
3	0.75	0.95	1.26	1.59	2.04	1.72	— 6.3	— 4.8	— 9.2	— 6.6	— 6.5	— 7.2	
4	0.72	1.38	1.32	1.27	1.75	1.75	— 15.2	— 14.8	— 14.4	— 12.5	— 9.6	8.8	
5	0.41	1.14	1.02	1.03	1.25	1.46	— 16.9	— 19.5	— 17.7	— 16.2	— 9.2	— 9.0	
6	0.12	0.60	0.60	0.72	0.73	0.95	— 19.2	— 20.5	— 17.0	— 17.1	— 10.6	— 9.1	
7	— 0.17	0.18	0.39	0.41	0.49	0.54	— 19.1	— 18.1	— 16.4	— 13.4	— 12.2	— 7.6	
8	— 0.24	0.11	0.21	0.30	0.34	0.49	— 18.4	— 18.5	— 17.3	— 13.0	— 13.3	— 8.6	
9	— 0.34	0.14	0.10	0.21	0.13	0.11	— 18.1	— 16.1	— 16.4	— 15.2	— 10.5	— 5.4	
10	— 0.43	— 0.21	— 0.06	0.02	— 0.12	— 0.01	— 15.9	— 16.3	— 15.3	— 13.4	— 8.6	— 5.8	
11	— 0.38	— 0.21	— 0.04	0.02	— 0.18	— 0.09	— 14.5	— 13.4	— 14.6	— 10.9	— 11.0	— 8.1	
12	— 0.23	— 0.10	— 0.06	0.00	— 0.29	— 0.14	— 15.3	— 13.4	— 14.2	— 10.4	— 7.5	— 5.8	
Total amount of variation.	10.41	15.32	16.06	15.95	21.30	20.34	366.3	355.6	366.1	287.6	217.5	165.1	

TABLE 39. — Diurnal variation of temperature of magnetometer room: October 1886.
Centigrade degrees.

1 a. m. + 0.03	7 a. m. — 0.26	1 p. m. — 0.02	7 p. m. + 0.24
2 » — 0.01	8 » — 0.27	2 » + 0.07	8 » + 0.22
3 » — 0.06	9 » — 0.27	3 » + 0.17	9 » + 0.19
4 » — 0.11	10 » — 0.25	4 » + 0.22	10 » + 0.14
5 » — 0.17	11 » — 0.20	5 » + 0.25	11 » + 0.09
6 » — 0.21	12 » — 0.12	6 » + 0.27	12 » + 0.05
Mean			28.38

TABLE 40. — Mean temperature of magnetometer room, observed at noon
for the whole year 1886.

January	27.63	July.	27.69
February	26.89	August.	27.85
March	27.26	September.	28.16
April	27.67	October.	28.16
May.	28.08	November	27.58
June.	27.73	December	27.05
Mean			27.65

APPENDICES.

APPENDIX I.

On the influence of the moon upon the cloudiness of the sky and the temperature of the air.

In Appendix I to volume VII of the »Observations» the results have been published of an inquiry into the influence of the moon's age and hour-angle upon the amount of clouds in which the fact was stated beyond the possibility of doubt that the cloudiness varies in a different way during the moon's synodical and siderial revolution. This investigation has been continued and the results now given here are deduced from hourly observations made during the six years 1880—1885. The outcome of this inquiry enables us to draw some conclusions respecting the forces emanating from the moon which could not be deduced from the three-yearly series employed in volume VI.

In Table I the lunar-diurnal variation has been given for every year: from this table it appears that the curve deduced from 2112 lunar days is perfectly regular.

TABLE I. Lunar diurnal variation of the cloudiness.

Year.	1880.	1881.	1882.	1883.	1884.	1885.	1880—85.
Number of lunar days.	343.	343.	371.	343.	342.	370.	2112.
0	— 0.09	+ 0.15	+ 0.25	+ 0.04	+ 0.35	+ 0.24	+ 0.16
1	— 0.18	+ 0.12	+ 0.12	+ 0.04	+ 0.26	+ 0.27	+ 0.11
2	— 0.25	+ 0.08	+ 0.22	+ 0.01	+ 0.15	+ 0.40	+ 0.10
3	— 0.03	+ 0.07	+ 0.18	+ 0.03	+ 0.18	+ 0.35	+ 0.13
4	+ 0.05	+ 0.03	+ 0.29	+ 0.16	+ 0.24	+ 0.08	+ 0.14
5	+ 0.16	0.00	+ 0.19	+ 0.25	+ 0.09	+ 0.24	+ 0.15
6	+ 0.10	— 0.08	— 0.15	+ 0.05	— 0.04	+ 0.05	— 0.01
7	+ 0.08	— 0.17	— 0.24	+ 0.01	— 0.06	— 0.09	— 0.08
8	+ 0.07	— 0.12	— 0.39	+ 0.09	— 0.05	— 0.07	— 0.08
9	+ 0.09	— 0.14	— 0.40	+ 0.05	— 0.26	— 0.07	— 0.12
10	+ 0.11	— 0.13	— 0.46	+ 0.02	— 0.08	— 0.06	— 0.11
11	— 0.02	— 0.03	— 0.30	— 0.02	— 0.18	— 0.15	— 0.12
12	— 0.04	+ 0.05	— 0.31	— 0.07	— 0.25	— 0.19	— 0.14
13	— 0.02	+ 0.08	— 0.18	+ 0.05	— 0.18	— 0.10	— 0.06
14	+ 0.05	+ 0.09	— 0.10	+ 0.10	— 0.21	— 0.19	— 0.05
15	+ 0.12	0.00	— 0.14	— 0.02	— 0.21	— 0.16	— 0.07
16	+ 0.06	— 0.13	— 0.12	— 0.11	— 0.19	— 0.05	— 0.09
17	+ 0.03	— 0.05	— 0.08	— 0.14	— 0.21	— 0.29	— 0.13
18	+ 0.04	— 0.03	— 0.03	— 0.23	— 0.18	— 0.22	— 0.11
19	+ 0.07	— 0.01	+ 0.18	— 0.09	+ 0.06	— 0.09	+ 0.02
20	— 0.04	+ 0.08	+ 0.34	— 0.11	+ 0.06	— 0.11	+ 0.04
21	— 0.14	+ 0.05	+ 0.38	— 0.04	+ 0.20	— 0.07	+ 0.06
22	— 0.17	+ 0.08	+ 0.40	— 0.13	+ 0.23	— 0.01	+ 0.07
23	— 0.03	+ 0.08	+ 0.27	+ 0.12	+ 0.23	+ 0.24	+ 0.15
Mean cloudiness.	5.92	5.46	6.34	5.61	5.71	5.71	5.80

and that the range of the variation amounts to 0.30 or about 5 percent of the average amount of clouds. Considering however that on the days on which the cloudiness attains its maximum value a small decrease as well as a large increase must escape observation and, for the same reason, on very bright days the effect of the influence of the moon remains imperceptible, the conclusion may be drawn that the average variation gives a weakened image of the actual variation: all the days on which the cloudiness attains an extreme value increasing the number of the denominator without increasing the numerator in a proportional measure.

A second and important fact shown by Table I is that the cloudiness not only increases steadily from the moment of the moon's rising till the hour of the upper transit, but that the amount of clouds continues decreasing after the setting till the 12th lunar hour; this proves that by the action emanating from the moon clouds may be formed as well as resolved and that, moreover, the forces act almost immediately, no retardation of the effect being observable in the curve of variation.

The moon's action, therefore, persisting during the 24 hours of the lunar day, cannot be ascribed to an effect produced by radiation from the moon's surface and the *mean* cloudiness of the sky must be considered to be independent of the moon's influence.

If the effect were caused by heat rays radiated from the moon, the curve would assume the form of a straight line for the lunar hours during which the moon is below the horizon and the average daily cloudiness would be increased by a quantity:

$$\frac{1}{2\pi} \int_0^\pi A \sin h \, dh = \frac{A}{\pi}$$

where A denotes the increase of cloudiness for a zenith's distance equal to zero. Whether the small secondary maximum at the moon's hour 14 is merely accidental or corresponds to an actual phenomenon is a question that can be decided only when 10 years observations are available and the comparison of two five-yearly series will enable us to settle this question.

Table II shows the lunar diurnal variation during the days of four different phases and of perigee and apogee.

TABLE II. — Lunar diurnal variation of the cloudiness for different moon's phases and distances.

	New Moon.	First Quarter.	Full Moon.	Last Quarter.	Perigee.	Apogee.
Number of lunar days.	222.	222.	222.	222.	237.	237.
0	+ 0.18	— 0.02	— 0.10	+ 0.45	+ 0.22	— 0.06
1	+ 0.12	— 0.01	+ 0.11	+ 0.10	+ 0.19	— 0.05
2	+ 0.02	+ 0.06	+ 0.08	+ 0.13	+ 0.20	— 0.08
3	+ 0.12	+ 0.22	+ 0.09	+ 0.02	+ 0.37	— 0.02
4	+ 0.06	+ 0.35	+ 0.20	+ 0.06	+ 0.38	+ 0.12
5	+ 0.28	+ 0.32	+ 0.18	— 0.08	+ 0.51	+ 0.33
6	+ 0.20	— 0.01	— 0.18	— 0.02	+ 0.28	+ 0.17
7	+ 0.03	— 0.28	— 0.37	+ 0.03	— 0.08	+ 0.08
8	— 0.18	— 0.17	— 0.18	+ 0.09	— 0.14	+ 0.06
9	— 0.29	— 0.27	— 0.19	+ 0.05	— 0.18	— 0.03
10	— 0.28	— 0.13	— 0.27	+ 0.14	— 0.24	+ 0.03
11	— 0.35	— 0.22	— 0.19	+ 0.12	— 0.09	— 0.03
12	— 0.12	— 0.12	— 0.13	— 0.21	— 0.07	— 0.14
13	— 0.04	+ 0.14	— 0.06	— 0.25	— 0.01	— 0.04
14	— 0.05	— 0.09	+ 0.06	— 0.27	— 0.06	+ 0.02
15	— 0.02	+ 0.15	+ 0.05	— 0.24	— 0.26	0.00
16	+ 0.03	+ 0.13	— 0.05	— 0.38	— 0.43	+ 0.01
17	— 0.05	+ 0.18	— 0.19	— 0.32	— 0.45	— 0.04
18	— 0.10	+ 0.17	— 0.10	— 0.24	— 0.33	— 0.06
19	— 0.04	0.00	+ 0.27	— 0.08	— 0.14	0.00
20	+ 0.11	— 0.12	+ 0.41	+ 0.14	+ 0.06	— 0.15
21	+ 0.12	— 0.17	+ 0.32	+ 0.19	+ 0.18	— 0.11
22	+ 0.03	— 0.13	+ 0.21	+ 0.23	— 0.01	— 0.02
23	+ 0.07	+ 0.04	+ 0.12	+ 0.38	+ 0.05	+ 0.09
Mean cloudiness.	5.84	5.64	6.11	5.76	5.84	5.82

The number of 222 lunar days is evidently insufficient to allow minute details to come into prominence, but the evidence given by Table II is strong enough to show that no fundamental difference exists for the different phases. Another conclusion of more importance may be drawn from those data. On days about *New-Moon* the moon passes the meridian about noon and on days about *Full-Moon* during the hours of the night. In Table II the

deviations at lunar hours concurring with the hours of day-time are printed with large ciphers, the deviations at night-time with the ordinary type.

Bij taking the deviations during day-time and night-time separately it is therefore possible as is shown in Table III

TABLE III. — Lunar diurnal variation of the cloudiness for the periods of day and night.

From New and Full Moon.		From First and Last Quarter.		From New and Full Moon.		From First and Last Quarter.	
Day.	Night.	Day.	Night.	Day.	Night.	Day.	Night.
0	+ 0.18	— 0.10	+ 0.22	+ 0.22	12	— 0.13	— 0.12
1	+ 0.12	+ 0.11	+ 0.10	— 0.01	13	— 0.06	— 0.04
2	+ 0.02	+ 0.08	+ 0.13	+ 0.06	14	+ 0.06	— 0.05
3	+ 0.12	+ 0.09	+ 0.02	+ 0.22	15	+ 0.05	— 0.02
4	+ 0.06	+ 0.20	+ 0.06	+ 0.35	16	— 0.05	+ 0.03
5	+ 0.28	+ 0.18	— 0.08	+ 0.32	17	— 0.19	— 0.05
6	+ 0.01	+ 0.01	— 0.02	— 0.01	18	— 0.10	— 0.10
7	— 0.37	+ 0.03	+ 0.03	— 0.28	19	— 0.04	+ 0.27
8	— 0.18	— 0.18	+ 0.09	— 0.17	20	+ 0.11	+ 0.41
9	— 0.19	— 0.29	+ 0.05	— 0.27	21	+ 0.12	+ 0.32
10	— 0.27	— 0.28	+ 0.14	— 0.13	22	+ 0.03	+ 0.21
11	— 0.19	— 0.35	+ 0.12	— 0.22	23	+ 0.07	+ 0.12
							+ 0.04
							+ 0.38

to investigate the influence of both periods of 12 hours upon the lunar diurnal variation. As might have been expected the moon's influence is better defined during the hours of the night than during the hours of the day.

From the variations given in the two last columns of Table II it would appear that the moon's distance influences the phenomenon in an unexpected degree. If by further continuation of this inquiry this action proves not to be accidental, the conclusion arrived at that the lunar diurnal variation does not increase the average daily amount of clouds may prove to be not quite tenable because, in that case, the decrease of clouds when the moon's hour-angle is 12 must be considered to be of smaller amount than the increase of clouds when the moon's hour-angle is zero; if a difference of seven radii of the earth between perigee and apogee influences the phenomenon to such a large degree, there is every reason to expect that a difference of two radii will not be inappreciable.

In Table IV the question has been treated in how far the different meteorological conditions of humidity and direction of the wind are observable in the lunar diurnal variation.

TABLE IV. — Lunar diurnal variation of the cloudiness in different seasons.

	Dec. Jan. Febr.	March, April.	May, June.	July, Aug. Sept.	Oct. Nov.	Dec.—Febr. days without rain.
Number of lunar days.	485.	372.	341.	544.	342.	163.
0	+ 0.16	+ 0.22	— 0.06	+ 0.20	+ 0.19	+ 0.35
1	+ 0.06	+ 0.15	— 0.04	+ 0.15	+ 0.18	+ 0.15
2	— 0.01	+ 0.23	+ 0.01	+ 0.16	+ 0.19	+ 0.14
3	+ 0.06	+ 0.23	+ 0.09	+ 0.17	+ 0.10	+ 0.22
4	+ 0.06	+ 0.31	+ 0.02	+ 0.17	+ 0.16	+ 0.13
5	+ 0.05	+ 0.38	+ 0.07	+ 0.17	+ 0.17	+ 0.18
6	— 0.13	+ 0.07	+ 0.08	+ 0.04	— 0.08	+ 0.06
6	— 0.20	— 0.04	+ 0.09	— 0.14	— 0.05	— 0.18
8	— 0.16	+ 0.07	— 0.03	— 0.17	— 0.05	— 0.16
9	— 0.17	+ 0.11	— 0.18	— 0.18	0.14	— 0.13
10	— 0.07	+ 0.02	— 0.14	— 0.14	— 0.17	— 0.29
11	— 0.12	— 0.08	0.00	— 0.13	— 0.23	— 0.25
12	— 0.10	— 0.17	— 0.08	— 0.15	— 0.13	— 0.07
13	+ 0.07	— 0.19	— 0.06	— 0.12	+ 0.03	+ 0.08
14	+ 0.02	— 0.17	+ 0.01	— 0.09	+ 0.03	— 0.01
15	+ 0.01	— 0.16	+ 0.07	— 0.16	— 0.10	— 0.22
16	+ 0.01	— 0.16	+ 0.08	— 0.23	— 0.13	— 0.16
17	+ 0.01	— 0.22	0.04	— 0.16	— 0.14	— 0.30
18	— 0.06	— 0.28	0.02	— 0.10	— 0.05	— 0.29
19	+ 0.04	— 0.13	+ 0.11	+ 0.05	+ 0.04	— 0.05
20	+ 0.12	— 0.25	+ 0.03	+ 0.13	+ 0.12	+ 0.15
21	+ 0.09	— 0.10	+ 0.01	+ 0.23	+ 0.04	+ 0.12
22	+ 0.11	— 0.01	— 0.01	+ 0.26	— 0.09	+ 0.10
23	+ 0.13	+ 0.17	+ 0.05	+ 0.23	+ 0.11	+ 0.34
Mean.	7.17	6.18	5.08	4.47	6.08	5.91

The quantity of available observations is yet too small to allow more than provisional conclusions to be drawn, but it is important to remark that during the months of the West-monsoon the moon's action is clearly indicated as well as during the period of prevailing Easterly winds and that the action is of the same kind throughout the whole year. During the West-monsoon however the days of incessant rain, on which an observation of small variations is out of the question, tend to weaken the resulting variation and therefore a special investigation of the phenomenon for days without rain during that period is desirable. The regular way in which the deviations proceed, where such a small number as 163 days of observation are available, is an indication of a stronger influence of the moon when the atmospheric conditions peculiar to the West-monsoon are prevailing, than during the period of the East-monsoon.

It has been shown in the Tables I—IV that the influence of the moon's hour-angle upon the cloudiness of the sky is, if not of the same intensity, at least of the same kind for very different astronomical an meteorological conditions.

On comparing these results with those of a similar inquiry into the influence of the moon's age upon the daily means of the cloudiness, we come to a quite different conclusion.

In Table V the deviations are given, for the whole year, of the mean daily cloudiness from the total average cloudiness for eight different phases of the moon.

TABLE V.

New-Moon	— 0.12
1 st Octant	— 0.12
First-Quarter	— 0.15
2 nd Octant	+ 0.04
Full-Moon	+ 0.15
3 rd Octant	+ 0.18
Last Quarter	+ 0.03
4 th Octant	— 0.03
Total mean	5.81

The result is the same as that obtained from the four-yearly series in volume VII viz. that, on the whole, the cloudiness is larger for the days of Full-Moon than during the period of New-Moon in a quite appreciable degree. If however the different seasons are taken separately it may be shown that the conclusion arrived at in Table V is not of general application. Table VI shows the variation of the mean daily cloudines during the moon's synodical revolution for different seasons.

TABLE VI.

	Dec. Jan. Febr.	March April.	May, June.	July, Aug. Sept.	October November.
New Moon.	— 0.13	+ 0.01	— 0.09	+ 0.05	— 0.26
1 st Octant.	— 0.29	— 0.02	— 0.07	+ 0.07	— 0.38
First Quarter	— 0.19	— 0.16	— 0.20	+ 0.04	— 0.27
2 nd Octant.	0.00	+ 0.10	+ 0.01	+ 0.02	— 0.05
Full-Moon.	+ 0.15	+ 0.43	+ 0.16	0.00	+ 0.29
3 rd Octant	+ 0.20	+ 0.16	+ 0.21	— 0.04	+ 0.50
Last Quarter.	+ 0.17	— 0.29	+ 0.13	— 0.10	+ 0.24
4 th Octant.	+ 0.09	— 0.25	— 0.04	— 0.06	— 0.06
Total.	1.22	1.42	1.01	0.38	2.05

From this Table it appears that the moon's action during the West-monsoon is quite opposite to the influence during the East-monsoon, thus indicating that the action of the moon considered here must be regarded as of a different description from that which causes the variations of cloudiness when the moon's position with respect to the horizon varies.

This unexpected result makes it desirable to look for a corroboration of these facts by means of observations of the temperature of the air.

In fact, the variations of the atmospheric temperature with the phases of the moon, which have been published in volume V and foregoing volumes, are much too large to allow of explanation by direct radiation from the moon's surface. Table VII shows the variations calculated from the twenty-yearly series 1866—1885 in the same way as has been done in the foregoing volumes but expressed in Fahrenheit degrees.

T A B L E V I I . — Fahrenheit degrees.

	Hours of the night. 7 p. m. — 5 a. m.	Hours of the day. 7 a. m. — 5 p. m.	Twenty-four hours.	Range of temperature.
New-Moon.	— 0.027	— 0.110	— 0.166	— 0.059
1 st Octant.	+ 0.037	— 0.021	+ 0.018	— 0.081
First Quarter.	+ 0.043	+ 0.090	+ 0.066	+ 0.017
2 nd Octant.	+ 0.129	+ 0.110	+ 0.118	+ 0.036
Full-Moon.	— 0.045	— 0.028	— 0.042	+ 0.016
3 rd Octant.	— 0.016	+ 0.086	+ 0.030	+ 0.035
Last Quarter.	— 0.043	— 0.096	— 0.064	— 0.025
4 th Octant.	— 0.077	— 0.032	— 0.052	+ 0.061
Total amount.	0.417	0.573	0.556	0.330

By combining the three deviations during the day-time for New-Moon, first and fourth Octant with those at night-hours for Full-Moon, second and third Octant, the effect of the moon's age ought to be eliminated and the sum of these deviations bear relation to the hours during which the moon is *above* the horizon only.

In the same way, by combining the deviations during the day time for Full-Moon and adjacent Octants with those at night for New-Moon the average deviation is found for the hours during which the moon is *below* the horizon.

Moon above horizon.	Moon below horizon.
— 0.032	— 0.077
— 0.110	— 0.027
— 0.021	+ 0.037
+ 0.129	+ 0.110
— 0.045	— 0.028
— 0.016	+ 0.086
— 0.095	+ 0.101

We find by this method that, on the whole, the temperature of the air is higher when the moon is below than when it is above the horizon and, if the records of the thermometer readings had been arranged according to lunar hours a small lunar diurnal variation probably would have been found. It is however difficult to test the hypothesis, that the variations of the cloudiness are caused indirectly by the moon's influence upon the clouds in connection with this conclusion because it is hardly possible a priori to tell what will be the effect of the lunar diurnal variation of clouds on the temperature of the air; an increase of clouds during the day-time will lower the atmospheric temperature by shutting off the sun's rays, and during the hours of the night the same cause will have an opposite effect by diminishing the loss of heat owing to the earth's radiation into space. No other conclusions therefore can be drawn from these data (of problematic value) than that, on the whole, an increase of clouds when the moon is above the horizon corresponds with a decrease of atmospheric temperature; a decrease of cloudiness, on the contrary, causes the temperature to rise, thus showing that, if the hypothesis holds good, the effect of lunar diurnal variation of clouds upon the temperature is larger during the hours of the day than at night.

A better defined effect however ought to be observable in the daily range of the temperature; the effect of an increase of clouds is to lower the temperature during the hours of the day and to increase the temperature at night-time, in this way concurring in diminishing the thermometric daily *range*, a decrease of clouds in both cases having the effect of increasing it.

In consequence of the variations given in Table V we ought therefore to find small ranges for the period of Full-Moon. This conclusion however is contradicted most decidedly by the facts established in the last column of Table VII.

As has been remarked above the deviations of Table V do not give an image of the actual phenomenon and it is therefore necessary to compare the results of Table VI with the corresponding deviations of range of temperature for different seasons. In Table VIII these deviations have been calculated; the numbers of Table VI having been aplanated by taking the means of three successive numbers, the same process has been applied to the numbers of Table VIII in order to eliminate small accidental irregularities of the curve.

T A B L E V I I I . — Fahrenheit degrees.

	Dec. Jan. Febr.	March April.	May June.	July Aug. Sep.	Oct. Nov.		Dec. Jan. Febr.	March April.	May June.	July Aug. Sep.	Oct. Nov.
New-Moon.	+ 0.112	— 0.185	— 0.059	— 0.113	+ 0.090	Full-Moon.	— 0.089	+ 0.102	+ 0.164	+ 0.100	— 0.112
1 st Octant.	+ 0.160	— 0.299	— 0.214	— 0.268	+ 0.440	3 rd Octant.	— 0.099	+ 0.117	+ 0.069	+ 0.223	— 0.328
First Quarter.	+ 0.053	— 0.005	— 0.126	— 0.246	+ 0.375	Last Quarter.	— 0.136	+ 0.317	+ 0.173	+ 0.214	— 0.475
2 nd Octant.	— 0.071	+ 0.007	+ 0.031	— 0.018	+ 0.235	4 th Octant.	+ 0.069	— 0.054	— 0.036	+ 0.108	— 0.224
						Total amount.	0.789	1.086	0.872	1.290	2.279

As might have been expected in consequence of the twenty-yearly series of observations available for this purpose, the curves of the daily range of temperature are traced for every season in a more regular way than the curve of the cloudiness; but it is an interesting fact that the influence of the moon on the daily range is so large as to amount, under favourable conditions during October and November, to almost one degree of Fahrenheit.

The deviations show a strongly marked difference of signs during the seasons when westerly winds are paramount as compared with those when easterly winds prevail and in accordance with the hypothesis which assumes that the moon has to be considered as the remote cause of the variations of temperature, but the variations of clouds as the direct cause, the signs of the first, fourth and fifth column of Table VIII are opposite to those exhibited in Table VI. The fact stated in column the fifth of this table, that the moon's action upon the cloudiness is largest during October and November, is equally well corroborated by the numbers in the last column of Table VIII. The hypothesis may therefore be considered to be verified by the facts in a satisfactory manner and the disagreement found between this assumption and the results of the seasons II and III may be expected to disappear when, for the investigation of lunar influence upon the cloudiness of the sky a twenty-yearly series can be employed as has been the case with the diurnal range of the atmospheric temperature.

It is a well known fact experienced by all observers who have been occupied in determining the amount of solar heat radiated towards the earth, that, even on bright days, when no clouds are observable, considerable divergencies between the quantities of measured heat are observed, that can only be accounted for by assuming the presence of actinic clouds, not perceptible to the eye, but of a very appreciable absorbing power. By analogy the conclusion may be drawn that if, as has been shown here, the moon is able to form clouds in such a degree as to be observable by the usual rough method of estimating the cloudiness of the sky, it will also promote, and probably to a more considerable degree, the formation of actinic clouds. This assumption is tested by the large influence of the moon's phases upon the temperature of the air, which can hardly be accounted for by the small variations of cloudiness perceptible by eye-observations, but which indicates the formation of an absorbing medium which follows the same law which the clouds have been proved to follow.

I think it is of some importance to draw the attention of astro-physicists to this phenomenon because possibly the divergencies of the heat-curves from the light-curve for change of phase and the considerable difference of percentage of heat-transmitted by glass for different moon's ages found by Lord Rosse, (Phil. Trans. vol 163, 1873. Scientific Trans. Royal. Dublin. Soc. vol. VIII. Ser. II, 1885), may find their explanation by lunar effect on atmospheric conditions.

APPENDIX II.

On the influence of the moon upon the diurnal variation of the magnetic Declination at Batavia.

The data used for this investigation are the observations made by Dr. Bergsma during seven years by means of a Declinometer of Lamont's pattern. In volume III of the »*Observations*», pages 187–192, the results will be found which were obtained at the time when this volume was issued; this inquiry has since been continued and the deductions are of sufficient importance to justify a publication before the results obtained from the new series of magnetic observations, that commences in 1882 and includes the *three* elements, are ready for publication.

The results given here bear relation to diurnal variation only; periodical variations of long duration, as variation during the moon's synodical revolution, which depend upon the accuracy of the absolute determinations, are, in my opinion, of problematic value and mostly to be ascribed to instrumental or meteorological conditions rather than to actual phenomena.

In Table I the lunar diurnal variation has been reprinted from volume III; for the whole seven-yearly series, for the periods of perigee and apogee, and for the months during which the sun's declination is Northerly or Southerly of the Equator.

TABLE I.

The sign + implies a deflection towards the West and — towards the East.

	Perigee.	Apogee.	Sun's Declination.		
			North.	South.	North and South.
	289	293	1143	1112	2255
0	— 10.8	— 7.3	— 4.3	— 13.8	— 8.2
1	— 9.1	— 10.8	— 3.4	— 12.5	— 6.9
2	— 3.9	— 10.3	— 2.6	— 8.6	— 5.2
3	+ 1.7	— 6.9	— 2.6	— 2.2	— 1.3
4	+ 5.2	+ 0.4	— 1.3	+ 6.0	+ 3.0
5	+ 10.3	+ 6.5	+ 1.3	+ 14.7	+ 8.2
6	+ 12.5	+ 9.9	+ 1.7	+ 17.2	+ 9.5
7	+ 10.8	+ 13.8	+ 3.9	+ 14.7	+ 9.1
8	+ 7.3	+ 12.9	+ 4.7	+ 9.1	+ 6.0
9	+ 2.2	+ 9.9	+ 3.4	+ 3.4	+ 2.6
10	— 3.4	+ 3.4	+ 2.6	— 4.7	— 1.7
11	— 6.5	— 0.9	+ 3.9	— 8.6	— 3.4
12	— 8.2	— 5.2	+ 3.0	— 12.5	— 5.2
13	— 6.9	— 6.0	+ 1.7	— 11.6	— 5.2
14	— 1.7	— 3.4	+ 1.7	— 8.2	— 3.9
15	+ 1.7	— 3.4	+ 1.7	— 3.0	— 1.3
16	+ 5.6	— 0.9	+ 0.9	+ 3.0	+ 1.7
17	+ 6.9	+ 2.2	+ 1.3	+ 8.6	+ 4.3
18	+ 6.9	+ 2.6	+ 0.4	+ 9.9	+ 4.7
19	+ 3.9	+ 2.6	— 2.2	+ 9.5	+ 3.4
20	+ 1.7	0.0	— 3.0	+ 5.2	+ 0.9
21	— 3.4	0.0	— 3.4	— 0.9	— 2.6
22	— 8.2	— 0.9	— 3.9	— 7.3	— 5.6
23	— 10.3	— 5.2	— 3.4	— 11.2	— 6.9

Table II shows the peculiarities of those different curves, when represented by two periodic factors of Bessel's formula.

TABLE II.

Average.....	0.048 sin. ($\theta + 310^\circ$) + 0.117 sin. ($2\theta + 263^\circ$)
Apogee.....	0.075 sin. ($\theta + 314$) + 0.130 sin. ($2\theta + 235$)
Perigee.....	0.047 sin. ($\theta + 319$) + 0.148 sin. ($2\theta + 321$)
Sun's decl. North.....	0.065 sin. ($\theta + 290$) + 0.015 sin. ($2\theta + 253$)
Sun's decl. South.....	0.043 sin. ($\theta + 341$) + 0.222 sin. ($2\theta + 263$)

From these formulae it appears that the lunar diurnal variation of the magnetic Declination consists chiefly of two periodic components of which the periodic of the second order is the most important.

It is characteristic of the equatorial geographical situation of Batavia that this periodical variation of the second order vanishes almost entirely when the sun's declination is Northerly.

The amplitude of this component is larger for the days of perigee than for those of apogee, the curves represented by the harmonics of the first order are of a more constant description during the whole year and seem to follow opposite laws from those represented by the harmonics of the second order. The latter component attains its maximum value almost exactly at the moments of culmination, the difference of seven degrees corresponding with less than a quarter of an hour.

The component of the first order however attains its greatest Easterly value at about two hours before the epoch of upper transit. The average value deduced from the two components of the second order for the days of perigee and apogee is much larger than the mean amplitude for the whole series, thus showing that the number of observations available for the investigation of the influence of the moon's distance is still too small to give reliable results. The two last formulae show that the moon's action is, in a large degree determined by the sun's position and that therefore the formula for the whole year gives an untrue representation of the facts. For an inquiry into the influence of different causes of variation upon the lunar diurnal variation of the second order the records obtained during the months October—March alone are therefore to be used.

If the total mass of hourly tabulations is employed the result will be necessarily weakened to an amount of about fifty percent.

This great influence exercised upon the phenomenon by the sun's position makes it desirable in the first place to calculate the diurnal variations for the periods of different moon's ages.

In volume III the diurnal variation has been given for four different phases: the important discovery of J. A. Broun, by which it is shown that the variations are, to a large degree, dependent of the sun's position with respect to the horizon necessarily excludes however every possibility of separating the influence of the moon's age from that of the sun's height. In consequence of this consideration the Table given in volume III is not reprinted here but in its place the Table III shows the lunar diurnal variation for four different periods of 24 hours.

TABLE III.

Number of lunar days.	558	558	557	548
	3 a. m. — 9 a. m.	9 a. m. — 3 p. m.	3 p. m. — 9 p. m.	9 p. m. — 3 a. m.
0	— 21.6	— 17.2	+ 0.9	+ 5.2
1	— 15.5	— 16.4	— 0.4	+ 2.6
2	— 10.3	— 19.0	+ 5.6	+ 2.2
3	— 4.3	— 11.6	+ 2.6	+ 5.6
4	0.0	— 3.9	+ 5.6	+ 8.6
5	+ 10.3	+ 3.4	+ 7.8	+ 13.4
6	+ 11.6	+ 12.1	+ 2.6	+ 10.3
7	+ 18.5	+ 17.2	— 5.2	+ 6.5
8	+ 13.4	+ 9.1	— 1.3	+ 6.9
9	+ 17.7	+ 1.7	— 9.5	+ 4.3
10	+ 1.7	— 4.7	— 8.2	+ 8.2
11	+ 12.9	— 10.8	— 13.4	+ 1.3
12	+ 3.9	— 11.6	— 9.1	— 1.3
13	+ 5.6	— 4.3	— 14.7	— 1.3
14	— 3.4	0.0	— 0.9	— 8.6
15	+ 3.4	+ 3.4	+ 0.4	— 9.9
16	+ 3.0	+ 10.3	+ 7.3	— 12.9
17	+ 2.2	+ 19.4	+ 5.2	— 8.6
18	+ 3.9	+ 16.8	+ 11.2	— 11.6
19	— 1.3	+ 21.6	+ 2.6	— 8.2
20	— 6.9	+ 8.6	+ 7.8	— 5.2
21	— 9.9	+ 1.3	+ 1.7	— 3.4
22	— 17.2	— 4.3	+ 0.4	— 0.4
23	— 13.4	— 18.5	0.0	+ 2.6

From this Table it is evident that, if any, the difference in longitude between sun and moon influences the phenomenon to an amount which can be considered to be small with respect to that caused by the sun's height and that therefore the irregularities found on the curves corresponding with different phases are due not to the moon's age but to the sun's position with respect to the horizon. The variations given in Table III have been calculated in the following way: in the Tables in which the hourly readings of the declinometer are tabulated according to lunar hours, the four different day-times were marked by means of four coloured pencils and the sums taken for every colour separately; this elaborate operation did not allow of the inquiry being extended to more than four different periods of the day.

The results of Table III are summarized by means of periodic formulae in Table IV.

TABLE IV.

3 a. m.—9 a. m.....	0.208 sin. ($\theta + 298^\circ$) + 0.122 sin. ($2\theta + 259^\circ$)
9 a. m.—3 p. m.....	0.115 sin. ($\theta + 227$) + 0.258 sin. ($2\theta + 260$)
3 p. m.—9 p. m.....	0.100 sin. ($\theta + 115$) + 0.108 sin. ($2\theta + 297$)
9 p. m.—3 a. m.....	0.158 sin. ($\theta + 13$) + 0.028 sin. ($2\theta + 157$)

From these formulae the following conclusions relating to the harmonics of the second order may be drawn: 1^o that the moon's influence on the magnetic needle is restricted almost entirely to the hours during which the sun is above the horizon, 2^o. that during the six hours 9 p. m.—3. a. m. the acting forces are practically reduced to zero, 5^o. that about noon-time, deviations are caused by the moon's influence which are of the same order of those caused by the sun's influence, 4^o. that it is proved by the arguments of the three first formulae, which differ only slightly, that the influence of the moon's age upon the *mean daily values* does not interfere with those results, and therefore must be considered to be of no importance. The fact that the argument of the fourth formula differs from the other arguments must be ascribed to the uncertainty that necessarily exists when the amplitude is very small.

If a double periodic variation of the mean daily values caused by the moon's age did exist, the four arguments would show differences inter se of 180°.

In the case of the harmonics of the first order on the contrary, the large amplitudes but especially the fact that the arguments show a regular decrease of about 90° for every day-time, prove that to the variations caused by the diurnal variation a second curve is added, the same for every day-time, but shifted a quarter of a lunar day for each of the four periods under consideration. The cause of this disturbing factor is to be found in the method of tabulating.

At Batavia the readings of the declinometer have been arranged according to lunar hours, corrected for solar daily variation only and therefore are naturally affected by any variation associated with the moon's synodical revolution, corresponding with an actual magnetic or merely accidental influence. If the average declination at the days of *New-Moon* is most Easterly, this Easterly deviation will occur about 18 hours for the first and about the lunar hours 0, 6 and 12 for the three other day-times respectively. This encumbrance remains the same if, as has been done by General Sabine and Mr. Chambers at Bombay, not the hourly readings but their differences with the monthly means for the same hour are tabulated.

The only way to avoid this difficulty is to tabulate the differences between the hourly observations and the corresponding average daily value. This method has the advantage at the same time of eliminating any trace of secular variation and also, in some degree, irregular variations exhibited by the daily means caused by instrumental as well as by actual magnetic causes. The deviations given in the Tables headed *D* of this and the foregoing volume satisfy fully those conditions and it may be regarded as a great advantage of the method of calculating the Disturbances adopted at Batavia, that data are obtained which are corrected for daily and secular variation, for variations concurring with the moon's age and for irregularities of daily means at the same time.

In volume VI, Appendix II a method has been suggested which allows of eliminating a disturbing factor of this kind at least in an approximate manner. Applying this method we find the harmonics of the first order.

TABLE IV^a.

3 a. m.—9 a. m.....	0.070 sin. ($\theta + 234^\circ$)
9 a. m.—3 p. m.....	0.057 sin. ($\theta + 210$)
3 p. m.—9 p. m.....	0.040 sin. ($\theta + 247$)
9 p. m.—3 a. m.....	0.062 sin. ($\theta + 242$)

The component of the first order appears to be independent of the sun's height above the horizon. With the data and method of tabulating used here a further inquiry into the way in which the sun's position influences the phenomenon cannot be effected. In order to elucidate this most important point the following plan has been devised for the new series of magnetic observations which allows of investigating the lunar diurnal variation for every hour of the day separately.

Besides the usual tables in which the deviations *D* are tabulated according to lunar hours, new tables are made in which the deviations for every special solar hour are classified according to the moon's age; assuming the fact to be established that the influence of the moon's phases upon the lunar diurnal variation is zero, this arrangement may be considered to be identical with the tabulation according to lunar hours, the same phase at the same civil hour always occurring at the same lunar hour. This method, which was applied by the author to magnetic observations made at *den Helder*, (*Archives Neerlandaises*, Tome XIII) enables us to determine the moon's acting force for every hour of the day separately: for this purpose at least a twenty-yearly series of hourly observations will be required but results for six or eight different day-times may be calculated from those tables within a shorter period.

In order to obtain the results summarized in Tables IV and IV^a the records throughout the whole year are employed: it has been shown however in Table II that the variation represented by the harmonic of the second order occurs only during the months of Southerly sun's declination and that the ratio of the amplitude for that period to the amplitude for the whole year is

$$\frac{0.222}{0.117} = 1.897$$

In order to deduce the actual deviation caused by the moon during the hours 9 a. m.—3 p. m., the amplitude given in Table IV must be multiplied by this factor and we find

$$0'.258 \times \frac{0.222}{0.117} = 0'.490.$$

Considering that the ratio between the average amplitude for the whole year and that for December when the sun's declination is most Southerly certainly will be larger than that assumed here and that the amplitude at noon will equally be larger than 0'.258, it is certain that in December at noon-time the deviations caused by the moon's influence will considerably surpass half a minute of arc. At Batavia the solar daily variation is very small and the conclusion may therefore be drawn that on days of New-Moon in December during years of small solar activity the observed variations of the magnetic curve are for a great part due to lunar influence.

Table V shows the coefficients of Bessel's formula for different values of the moon's declination.

TABLE V.

Moon's decl.	Number of lunar days.					
20°–28° North.....	330	0.072	sin. (θ + 312)	+ 0.071	sin. (2 θ + 281)	
12–20 »	385	0.043	sin. (θ + 352)	+ 0.123	sin. (2 θ + 259)	
4–12 »	272	0.046	sin. (θ + 323)	+ 0.108	sin. (2 θ + 260)	
4 North—4 South.....	258	0.047	sin. (θ + 324)	+ 0.094	sin. (2 θ + 248)	
4–12 South.....	269	0.044	sin. (θ + 305)	+ 0.170	sin. (2 θ + 257)	
12–20 »	393	0.062	sin. (θ + 299)	+ 0.122	sin. (2 θ + 265)	
20–28 »	313	0.061	sin. (θ + 275)	+ 0.128	sin. (2 θ + 263)	
0–28 North.....	1107	0.050	sin. (θ + 329)	+ 0.098	sin. (2 θ + 262)	
0–28 South.....	1113	0.052	sin. (θ + 296)	+ 0.133	sin. (2 θ + 263)	

In this Table the coefficients of the harmonics of the second order must be multiplied by 1.897 because the observations throughout the whole year are used instead of those during the months October till March. The results of this inquiry are better defined than those of similar investigations made in Bombay, Trevandrum and Melbourne. The component of the first order varies only slightly with the moon's declination, that of the second order is larger for Southerly than for Northerly declination and attains its maximum value when the declination is about equal to the latitude of the place of observation. A secondary maximum seems to be attained when the declination is 16 degrees to the North of the Equator. The lunar hours at which the maximum deviation occurs are for the double-periodic component:

Decl. South,	
0°	0h 44m
8°	0 27
16°	0 9
24°	0 14

showing a small but regular shifting of these epochs.

From Table V it follows again that the actual deviations can be much larger than those calculated; we find for December, noon and Southerly moon's declination i. e. for days about New-Moon.

$$0'.490 \times \frac{0.170}{0.133} = 0'.626$$

It can therefore safely be assumed that, under favourable conditions, deviations amounting to about one minute of arc can occur, which find their cause in the moon's action and the question arises whether the larger deviations considered hitherto as disturbances are not to be ascribed, for some past at least, to lunar influence.

Another problem, which still remains unsolved, has reference to the same question.

For St. Helena, Toronto, the Cape and Hobartown the lunar diurnal variation has been calculated by General Sabine. The results obtained all point to the fact that the lunar diurnal variation does not vary with the quantity of observed sunspots. The very elaborate investigations made by Mr. Chambers at Bombay lead to the same conclusion. At Trevandrum on the contrary an increase of variation with the solar activity was clearly proved by Broun, and at Batavia the same influence can be demonstrated though to a smaller extent than at Trevandrum.

TABLE VI.

	Range solar variation.	Lunar diurnal variation.		Sunspots.	Amount of disturbances.
July 1867—July 1869.....	2.90	0.116	sin. (2 θ + 260) ^o	38.3	103.6
» 1868— » 1870.....	3.61	0.121	sin. (2 θ + 259)	82.8	144.8
» 1869— » 1871.....	4.07	0.127	sin. (2 θ + 261)	119.0	151.9
» 1872— » 1874.....	2.59	0.107	sin. (2 θ + 266)	71.0	132.3
» 1873— » 1875.....	2.16	0.109	sin. (2 θ + 281)	41.6	121.4

Table VI shows, without the possibility of doubt, that during years in which sunspots are frequent the amplitude of the lunar diurnal variation is also larger than usual, as well as the solar daily variation and the amount of disturbances. At Trevandrum the difference comes out more strongly. This difference in the results cannot be ascribed to any other cause than to the different ways in which the diurnal variation has been deduced by General Sabine and Mr. Chambers on the one hand, by Broun and Bergsma on the other.

In fact the methods are not the same: the former magneticians have made use of differences of each hourly observation with the corresponding monthly-hourly mean value to the exclusion of all differences larger than a certain assumed value, the latter on the contrary did not use differences but the original observations including disturbances.

We come therefore to the inevitable conclusion that the large deviations usually called disturbances are partly caused by or at least influenced by forces emanating from the moon. A third argument may be added in order to justify an investigation of this point viz. that, as compared with the lunar diurnal variation found by Sabine which shows a decrease of the phenomenon when approaching the Equator, the lunar diurnal variation found at Batavia seems extraordinarily large.

In order to elucidate this question, the disturbances published separately in volume III of the »Observations» have been arranged according to lunar hours, the sum for each lunar hour has been divided by the number of occurrences and finally the average value reduced to zero by subtracting the total mean value.

TABLE VII.

	Sun's declination North.					Sun's declination South.				
	Number of disturb.	Total of positive disturb.	Total of negative disturb.	Means.	Lunar diurnal variation.	Number of disturb.	Total of positive disturb.	Total of negative disturb.	Means.	Lunar diurnal variation.
0	72	42.5	94.2	— 0.72	— 0.48	108	39.3	183.0	— 1.33	— 1.31
1	81	58.2	93.9	— 0.44	— 0.20	100	28.3	176.4	— 1.48	— 1.46
2	71	50.9	84.5	— 0.47	— 0.23	99	52.9	142.4	— 0.90	— 0.88
3	78	56.1	92.6	— 0.47	— 0.23	109	97.6	124.0	— 0.24	— 0.22
4	71	53.6	85.5	— 0.45	— 0.21	116	145.8	94.7	+ 0.44	+ 0.46
5	74	63.9	79.8	— 0.21	+ 0.03	132	210.1	55.1	+ 1.18	+ 1.20
6	78	72.9	82.6	— 0.12	+ 0.12	126	216.2	32.5	+ 1.46	+ 1.48
7	82	87.8	75.4	+ 0.15	+ 0.39	127	209.4	39.9	+ 1.33	+ 1.35
8	74	78.7	64.3	+ 0.19	+ 0.43	116	174.0	57.9	+ 1.00	+ 1.02
9	79	72.3	74.4	— 0.03	+ 0.21	100	109.8	86.1	+ 0.24	+ 0.26
10	75	53.9	87.5	— 0.45	— 0.21	107	83.4	128.3	— 0.42	— 0.40
11	70	59.8	74.4	— 0.21	+ 0.03	114	61.3	154.4	— 0.82	— 0.80
12	87	77.8	88.3	— 0.12	+ 0.12	115	46.5	177.1	— 1.14	— 1.12
13	88	71.3	95.5	— 0.28	— 0.04	122	55.3	175.8	— 0.99	— 0.97
14	74	60.5	84.2	— 0.32	— 0.08	111	65.9	154.6	— 0.80	— 0.78
15	91	89.3	82.9	+ 0.07	+ 0.31	88	70.7	102.1	— 0.36	— 0.34
16	75	75.5	72.5	+ 0.04	+ 0.28	102	133.8	70.5	+ 0.62	+ 0.64
17	68	70.7	64.6	+ 0.09	+ 0.33	101	152.3	52.3	+ 0.99	+ 1.01
18	72	66.9	80.2	— 0.18	+ 0.06	100	158.1	51.5	+ 1.07	+ 1.09
19	69	53.6	80.9	— 0.40	— 0.16	102	154.1	58.8	+ 0.93	+ 0.95
20	70	61.3	76.2	— 0.21	+ 0.03	103	135.5	66.9	+ 0.67	+ 0.69
21	69	51.6	82.6	— 0.45	— 0.21	107	91.8	119.1	— 0.26	— 0.24
22	66	53.7	73.9	— 0.31	— 0.07	109	72.2	147.2	— 0.69	— 0.67
23	73	50.2	87.8	— 0.52	— 0.28	110	49.2	168.6	— 1.09	— 1.07
Means.				— 0.24					— 0.02	
Total amount.	1807	1533.0	1958.7			2624	2613.5	2619.2		

In Table VIII the periodic formulæ calculated from the data of Table VII are given; the amplitudes of the formulæ that would have been obtained if the disturbances had been first rejected, are calculated by means of the formulæ for all observations and the number of lunar days in the following way:

$$\frac{0'.222 \times 1112 - 1.290 \times 109}{1112} = 0'.093$$

TABLE VIII.

Sun's declination North.

					Number of lunar days.
All observations.....	0'.065	sin. (θ + 290°)	+ 0'.015	sin. (2 θ + 253°)	1143
Disturbances only.....	0.200	sin. (θ + 271°)	+ 0.170	sin. (2 θ + 264°)	75
Without disturbances.....	0.052		0.004		

Sun's declination South.

All observations.....	0'.043	sin. (θ + 341°)	+ 0'.222	sin. (2 θ + 263°)	1112
Disturbances only.....	0.200	sin. (θ + 310°)	+ 1.290	sin. (2 θ + 263°)	109
Without disturbances.....	0.023		0.093		

From these results it is evident that the lunar influence upon magnetic forces is to a great extent dependent on the method employed and the disagreement of principal results obtained at different stations can now be accounted for.

The question whether the lunar diurnal inequality is influenced by the solar activity as measured by the number of sunspots is now reduced to the interpretation of the magnetic disturbances. However, whatever the final answer to this question may be, the influence of solar activity must be of a totally different character from that exercised by the frequency of sunspots on the solar daily variation, because the latter is as evident when calculated from observations cleared from larger disturbances as from all observations, the solar daily variation of the disturbances taken separately being very small and of a different kind from the regular daily variation. On the contrary the influence of solar activity on lunar diurnal variation disappears when the disturbances are rejected and the diurnal inequality of the disturbances taken by themselves is of the same kind as the regular variation and very large with respect to the inequality when disturbances are omitted from the calculation.

By these considerations therefore the solution of the problem may be considered to be somewhat advanced but the difficulty remains as to how we should interpret the results of Table VII.

Two, perhaps more, hypotheses are admissible: in the first place it is, as has been shown in this paper, not absurd to admit that the moon's influence, when conditions are favourable, is not small, but large enough to produce deviations which by the method of separating are found and interpreted as disturbances; in the second place it may be assumed that the lunar action itself is not variable in such a degree with astronomical conditions but that the equilibrium of magnetic forces is for some periods less stable than for others and more labile on the middle of the day, during the months September till March and during years of great solar activity.

In the latter case the same force emanating from the moon would cause large or small deviations according to circumstances being favourable or the reverse. The latter explanation, which seems the most probable is excluded by the fact that the solar daily variation of disturbances does not show the same features as the regular solar variation and is very small while, if the explanation held good, this variation ought to be influenced by the change of sensibility in the same manner as the lunar diurnal inequality. This objection is of sufficient importance to compel us to reject this hypothesis. The former assumption that the forces emanating from the moon can actually attain a considerable value and be the cause of large deviations, construed as disturbances, therefore remains to be discussed.

In this case the disturbances are to a great extent to be ascribed to lunar periodical influence and the laws to which the disturbances are known to be subjected must be rediscussed starting from this point of view.

One objection to this assumption can be made which it is difficult to explain. If no disturbances due to irregular causes occurred and all deviations considered as such were due to the moon's action, Easterly deviations only would be found at 0 and 12 hours and Westerly at 6 and 18 lunar hours; this conclusion is confirmed by Table VII where it is shown that Easterly deviations prevail when the moon is in the meridian and Westerly when she is in the first vertical. No disturbances or at least only a very small number, equally positive or negative ought to be found at the hours when the curve changes its sign and therefore the force is zero.

This second conclusion however is contradicted by the number of occurrences given in Table VII, whence it is evident that the numbers at the hours 3, 9, 15 and 21 are not small but practically equal to those at the other

lunar hours. Therefore by correcting the total amount of disturbances for the deviations evidently due to lunar action it is not found as ought to be the case, that the remaining sums are equally distributed over the lunar hours but in the manner shown in Table IX.

TABLE IX.

Lunar hours.		Lunar hours.		Lunar hours.		Lunar hours.	
0	80.8	6	62.2	12	94.8	18	100.6
1	58.7	7	77.8	13	112.8	19	116.0
2	108.2	8	113.6	14	133.9	20	131.3
3	197.6	9	169.9	15	142.9	21	185.2
4	187.1	10	168.9	15	139.0	22	146.4
5	106.8	11	124.5	16	102.6	23	100.1

Here a minimum is shown at the hours when the lunar action is greatest and vice-versa. From this the conclusion may be drawn that, besides a lunar action that strongly influences the signs of the disturbances and which corresponds with the average moon's influence, a second cause exists that equalizes the number of occurrences.

On judging these data it is necessary not to leave out of sight that disturbances principally occur during day-hours and that therefore an arrangement of these disturbances according to lunar hours necessarily involves an arrangement according to the moon's age: perhaps this reason might account for the discrepancy between hypothesis and facts, which disappears on assuming that the number of disturbances depends on the moon's age in such a manner that they are paramount when the difference in longitude between sun and moon is measured by an uneven number of angles of 45 degrees, or when the moon is in the octants.

That such an influence really exists has recently been made very probable by the researches of Messrs. *Balfour Stewart* and *Carpenter* (Second Report of the committee on comparing and reducing magnetic observations, page 13): owing to the fact that disturbances prevail during the daytime it will however always be difficult to ascertain whether a fluctuation as found in this paper is really associated with the moon's age or with the moon's hour angle or if the result obtained is a complex of both causes of variation.

Whatever may be the cause of the phenomenon discussed here, the results of Table VII still reveal the fact that the lunar inequality is in a large degree dependent on the disturbances being omitted or not from the calculation and the question therefore is of importance whether the laws to which the disturbances and the lunar action are known to be subjected remain the same when both phenomena are taken separately.

In Table VIII it has been shown that the harmonic of the second order of lunar diurnal inequality remains paramount when the sun's declination is Southerly and the component of the first order when it is Northerly as well with or without the omission of disturbances from the calculation.

The influence of the height of the sun above the horizon also remains the same but, naturally, of much less intensity when disturbances are rejected. Table X shows the amplitudes of the harmonics of the second order for all observations and for those without disturbances.

TABLE X.

	Number of lunar days.	Amplitude all observ.	Amplitude without disturb.	Number of disturb. perc.	Number of lunar days, disturb.
3 a. m. — 9 a. m.....	558	0.122	0.048	26.3	48
9 a. m. — 3 p. m.....	558	0.258	0.118	50.3	93
3 p. m. — 9 p. m.....	557	0.108	0.058	17.7	33
9 p. m. — 3 a. m.....	548	0.028	0.013	5.7	10
					184

The mean amplitude deduced from all disturbances as calculated from the data of Table VIII is:

$$\frac{0.170 \times 75 + 1.290 \times 109}{184} = 0.048$$

By means of this amplitude the component without disturbances has been calculated in the following way:

$$\frac{0.122 \times 558 - 0.833 \times 48}{558} = 0.833$$

The diurnal variation caused by the moon therefore shows the same characteristics after elimination of the disturbances as before with the exception of the variation associated with sunspots. Reversedly the question may be proposed whether the laws to which the disturbances are subjected remain the same when the lunar influence is taken into account.

From Table VII it appears that the disturbances of the magnetic declination is subjected to a strongly marked annual variation: when the sun's declination is Southerly 2624 disturbances are on record, during the other months of the year only 1807. In Table IX it has been shown that when a correction has been applied for lunar action the remaining amount of disturbances is 2961.7 minutes of arc; if the same correction is applied to the sum of disturbances during the months April till September a total amount equal to 3123.5 minutes of arc is found.

From this the conclusion may be drawn that the annual variation of disturbances is not due to the motion of the earth with respect to the sun but that it is wholly to be ascribed to lunar action and that therefore an annual variation in the usual sense of this expression does not exist.

This investigation has to be considered as a preliminary inquiry undertaken in order to fix upon the best method of calculation to be applied to the new series of observations, the results of which I hope to be able to publish in the next volume.

APPENDIX III.

On the twenty-six day period calculated after *Hornstein's* method.

This investigation, the results of which are given in the following four Tables, has been commenced some years ago: I then thought it advisable not ~~to~~^{to} publish the results because the evidence of a periodic variation associated with the time of the sun's revolution about its axis, as deduced from the Batavian observations, proved to be very feeble. Recently, however, the question gained fresh importance from the works of Messrs. *Liznar* and *Müller*, and every contribution to the knowledge of this phenomenon is of sufficient importance to justify publication, even where the results are negative.

The Tables show the values of the constants of the formula:

$$A_1 \sin. (\theta + C_1) + A_2 \sin. (2 \theta + C_2).$$

The outcome of this inquiry can be briefly summarized in the following statements:

1. The twenty-six day period is not observable in the daily range of the barometric pressure: the same conclusion was arrived at by Prof. *Hann* some months ago. The amplitudes of the second order clearly show the phenomenon of lunar atmospheric tide by a maximum value of amplitude between 29 and 30 days.

2. As was first indicated by *Allan Broun* the absolute height of the barometer is subjected to a small periodic variation of about 26 days. Here again the double-periodic influence of the moon's age upon the daily means of barometric pressure, which is known to exist (vide Vol VI, Appendix II), is clearly shown by the maximum value of A_2 between 29 and 30 days.

3. In Table 3, which shows the constants for daily range of magnetic declination, a very small maximum of A_1 is observable in the column headed 27 and the influence of the moon is shown by the maximum of A_2 in columns 29 and 30. To this Table the values calculated by arrangement of the data for *two* consecutive years have been added; here the maximum value is well marked in column 26, thus showing that the period is very nearly 26 days because, had it been 25.5 or 26.5, the periodical influence would have been eliminated from the results by the method of arrangement, in the same way as the evidence of the moon's synodic revolution has vanished from the results.

4. The results of Table 4 do not allow of our drawing a conclusion concerning the question whether the mean daily value of the Declination is subjected to the 26 day period or not.

5. Generally the conclusion may be drawn from the data given here, that a period associated with the sun's rotation can be proved to exist at Batavia by the application of *Hornstein's* method, but that, the amplitude of the variations being smaller than that caused by the moon, this method is not adequate for the calculation of the exact duration of the period.

In order to obtain this it will be necessary to apply a more subtle method, similar to that used by *Prof. Buys-Ballot* in his »*Changement périodique de la température*».

Broun. Phil. Mag. 1858: Trans. Roy. Soc. Edinb. Vol XVI, XXII. Report Brit. Ass. 1858 and 1860; Proc. Roy. Soc. Vol. XX. Comptes rendus, Tomes 75.76.

Observations of Magn. Decl. Trevandrum.

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T A B L E 1. — Daily oscillation of Barometric pressure in millimetres.

		21	22	23	24	25	26	27	28	29	30	31	32
1866	A ₁	0.034	0.072	0.016	0.037	0.007	0.010	0.019	0.041	0.064	0.047	0.037	0.043
	C ₁	297°	325°	43°	27°	45°	45°	84°	232°	340°	89°	218°	337°
	A ₂	0.046	0.026	0.026	0.046	0.041	0.046	0.019	0.015	0.037	0.105	0.027	0.013
	C ₂	124°	337°	203°	336°	89°	280°	273°	238°	57°	210°	13°	270°
1867	A ₁	0.067	0.030	0.030	0.018	0.042	0.059	0.011	0.029	0.055	0.058	0.045	0.047
	C ₁	72°	253	356°	84°	195°	147°	75°	80°	301°	143°	8°	271°
	A ₂	0.067	0.046	0.016	0.017	0.048	0.056	0.061	0.040	0.106	0.126	0.025	0.071
	C ₂	85°	39°	105°	237°	163°	290°	266°	10°	264°	35°	151°	26°
1868	A ₁	0.058	0.024	0.072	0.038	0.061	0.025	0.011	0.030	0.060	0.042	0.039	0.051
	C ₁	149°	35	289°	98°	244°	102°	292°	135°	213°	201°	170°	141°
	A ₂	0.027	0.028	0.067	0.058	0.063	0.004	0.067	0.051	0.123	0.104	0.050	0.063
	C ₂	304°	218°	60°	200°	70°	214°	129°	135°	101°	170	327°	355°
1869	A ₁	0.049	0.022	0.039	0.029	0.022	0.022	0.034	0.045	0.038	0.006	0.019	0.010
	C ₁	359°	252°	308	329	330°	278°	332°	217°	68	279°	348°	0°
	A ₂	0.144	0.012	0.032	0.047	0.014	0.072	0.093	0.044	0.073	0.102	0.025	0.057
	C ₂	258°	171°	14°	1°	270°	132°	90°	115°	289°	277°	48°	183°
1870	A ₁	0.011	0.054	0.034	0.025	0.052	0.012	0.087	0.073	0.032	0.033	0.022	0.021
	C ₁	345°	207°	8°	127°	96°	336°	193°	262°	294°	101	69°	323
	A ₂	0.066	0.054	0.045	0.058	0.050	0.052	0.023	0.062	0.124	0.131	0.021	0.047
	C ₂	333°	200°	181	169°	344°	255°	40°	47	125°	70°	337°	88°
mean	A ₁	0.044	0.040	0.038	0.029	0.036	0.025	0.032	0.042	0.049	0.037	0.032	0.034
mean	A ₂	0.070	0.033	0.037	0.045	0.043	0.046	0.052	0.042	0.092	0.114	0.029	0.050

T A B L E 2. — Barometric Pressure in millimetres.
Each series commences on Dec. 31th.

		21	22	23	24	25	26	27	28	29	30	31	32
1866	A ₁	0.169	0.333	0.239	0.263	0.052	0.174	0.103	0.162	0.133	0.298	0.177	0.214
	C ₁	338°	92°	138°	205°	142°	208°	178°	215°	170°	204°	256°	236°
	A ₂	0.094	0.131	0.101	0.171	0.166	0.088	0.075	0.107	0.123	0.113	0.261	0.260
	C ₂	179°	218°	131°	77°	87°	119°	148°	136°	167°	262°	165°	256°
1867	A ₁	0.060	0.034	0.216	0.121	0.207	0.143	0.208	0.128	0.078	0.105	0.080	0.136
	C ₁	207°	28°	314°	16°	15°	50°	70°	128°	102°	158°	342°	53°
	A ₂	0.079	0.076	0.022	0.042	0.009	0.127	0.170	0.047	0.242	0.209	0.096	0.095
	C ₂	244°	138°	207°	217°	84°	350	290°	181°	58°	301°	323°	324°
1868	A ₁	0.185	0.174	0.152	0.186	0.391	0.320	0.109	0.256	0.200	0.207	0.363	0.396
	C ₁	138°	351°	88°	113°	158°	259°	77°	213°	262°	246°	294°	350°
	A ₂	0.088	0.040	0.097	0.081	0.080	0.106	0.112	0.121	0.141	0.047	0.055	0.108
	C ₂	303°	49°	40°	345°	70°	71°	238°	69°	319°	353°	185°	2°
1869	A ₁	0.095	0.029	0.090	0.094	0.096	0.195	0.040	0.160	0.188	0.072	0.076	0.089
	C ₁	68°	346	188°	307°	256°	337	49°	331°	55	160°	335°	78
	A ₂	0.052	0.081	0.079	0.076	0.168	0.054	0.123	0.128	0.115	0.119	0.049	0.108
	C ₂	26°	273°	227°	349°	315	330°	338	293	53°	77°	111°	201°
mean	A ₁	0.127	0.143	0.147	0.166	0.187	0.208	0.115	0.177	0.150	0.171	0.174	0.209
mean	A ₂	0.078	0.082	0.075	0.093	0.106	0.094	0.120	0.101	0.155	0.122	0.090	0.143

T A B L E 3. — Daily oscillation of Magnetic Declination.
In scale-divisions; one division = 43'.1.
Each series commences on July 1st.

		21	22	23	24	25	26	27	28	29	30	31	32
1868—69	A ₁	0.240	0.221	0.029	0.169	0.292	0.302	0.468	0.351	0.191	0.113	0.215	0.410
	C ₁	119°	278°	6°	114°	256°	59°	189°	291°	34°	131°	180°	229°
	A ₂	0.079	0.263	0.305	0.121	0.133	0.101	0.339	0.285	0.624	0.590	0.619	0.350
	C ₂	263°	139°	122°	197°	300°	214°	195°	13°	175°	344°	160°	278°
1869—70	A ₁	0.212	0.062	0.340	0.450	0.182	0.385	0.329	0.152	0.137	0.262	0.340	0.332
	C ₁	34°	288°	66°	72°	242°	101°	1°	222°	0°	224°	91°	306°
	A ₂	0.110	0.315	0.126	0.129	0.136	0.052	0.284	0.210	0.790	0.680	0.546	0.430
	C ₂	298°	256°	67°	244°	283°	175°	28°	306°	20°	127°	230°	268°
1870—71	A ₁	0.263	0.038	0.269	0.074	0.185	0.231	0.294	0.397	0.474	0.397	0.289	0.148
	C ₁	170°	127°	272°	81°	258°	331°	23°	93°	175°	252°	327°	56°
	A ₂	0.106	0.196	0.363	0.193	0.209	0.482	0.446	0.265	0.566	0.680	0.478	0.332
	C ₂	340°	44°	275°	315°	53°	47°	290°	205°	351°	134°	275°	3°
1873—74	A ₁	0.157	0.153	0.107	0.111	0.101	0.100	0.123	0.301	0.374	0.218	0.140	0.245
	C ₁	319°	102°	128°	232°	52°	147°	110°	164°	224°	264°	250°	272°
	A ₂	0.018	0.100	0.086	0.205	0.062	0.121	0.060	0.097	0.438	0.535	0.272	0.132
	C ₂	49°	71°	48°	8°	268°	327°	41°	350°	100°	222°	0°	236°
1874—75	A ₁	0.110	0.083	0.146	0.117	0.091	0.098	0.324	0.230	0.054	0.235	0.271	0.295
	C ₁	322°	35°	237°	324°	348°	218°	309°	328°	285°	340°	23°	48°
	A ₂	0.325	0.089	0.123	0.098	0.236	0.261	0.275	0.312	0.550	0.539	0.262	0.039
	C ₂	99°	128°	88°	209°	167°	69°	237°	53°	287°	107°	252°	345°
mean A ₁		0.196	0.111	0.178	0.184	0.170	0.223	0.308	0.286	0.246	0.245	0.251	0.286
mean A ₂		0.128	0.193	0.201	0.149	0.155	0.203	0.221	0.234	0.594	0.605	0.435	0.257
1868—70	A ₁	0.167	0.142	0.177	0.284	0.226	0.324	0.053	0.216	0.161	0.139	0.201	0.277
	C ₁	87°	274°	58°	83°	245°	82°	206°	270°	20°	201°	122°	261°
	A ₂	0.080	0.168	0.197	0.104	0.128	0.082	0.026	0.197	0.167	0.215	0.458	0.385
	C ₂	280°	215°	102°	206°	297°	209°	122°	337°	67°	61°	199°	273°

T A B L E 4. — Magnetic Declination. July 1, 1868 — June 30, 1869.
Increasing numbers denote decreasing Easterly Declination; in seconds of arc.

		21	22	23	24	25	26	27	28	29	30	31	32
A ₁		5".2	1".7	3".0	3".0	7".8	5".2	0".4	3".4	4".7	2".2	3".0	0".9
	C ₁	223°	22°	350°	173°	335°	78°	90°	88°	174°	279°	43°	64°
	A ₂	3".0	4".3	3".4	1".3	0".4	2".6	3".4	5".2	1".3	0".9	2".6	2".2
	C ₂	288°	82°	135°	98°	176°	47°	31°	340°	275°	128°	69°	300°

APPENDIX IV.

Observations of magnetic Inclination by means of the *Erd-inductor*.

It is a well known fact that determinations of the magnetic dip, made with the dip-circle, leave uncertainty in the results obtained, the dip found varying according to the dip-circle and the needles made use of.

In a tropical climate, where it is extremely difficult to keep the delicate axes free from alteration caused by humidity of the air and the breath of the observer, it is therefore desirable that a magnetic observatory be provided with an *Erd-inductor*, in order to ensure an exact knowledge of the magnetic dip.

It may be briefly called to mind that, some years ago ⁽¹⁾, it was found by different observers that determinations of the dip made with an *Erd-inductor* and calculated from elongations obtained by the method either of recoil or multiplication in horizontal and vertical positions of the coil, showed considerable discrepancies with the dip-circle.

The cause of this disagreement was indicated by Prof. *Wild*, who showed ⁽²⁾ that the assumption hitherto ⁽³⁾ made, that the damping function is independent of the elongations, does not hold good within the limits of the elongations, employed in determining the magnetic dip.

In consequence of this the elongations obtained when the axis of the coil is horizontal and vertical cannot be considered to give comparable measures of the vertical and horizontal terrestrial force.

In order to overcome this difficulty Prof. *Wild* therefore had the construction of the instrument altered in such a way that the coil could be clamped in any desired inclination with respect to the direction of the total magnetic force ⁽⁴⁾. In observing the elongations of the magnet when the coil is fixed in two positions almost symmetrical with respect to the direction of the terrestrial force, deviations are obtained which only differ very little, for which the damping function therefore can be taken as identical and the magnetic inclination is found by linear interpolation, whatever the form of this function may be.

On the other hand the problem, thus practically solved by Prof. *Wild* and Dr. *Schering* ⁽⁵⁾, was theoretically investigated independently by Messrs. *K. Schering* and *O. Chwolson*, who established the vibrating equation by assuming a parabolic dependency between elongation and damping ⁽⁶⁾.

The *Inductor* of the Batavia observatory, constructed by Dr. *Edelmann* of Munich is of the most accomplished workmanship, the coil can be fixed in any desired oblique position by means of two strong brass rods on which the brass hoop, wherein the coil is pivoted, rests.

The rods can be firmly clamped in sliding pieces attached to the brass base by which the movable parts of the instrument are supported. A divided circle fixed to the gun-metal axis, about which the hoop turns, is read off by means of two microscopes provided with drums, which allow an arc of five seconds being measured. By means of a sensitive level the instrument can be adjusted so as to ensure the vertical and horizontal positions of the coil. The difference between the reading of the divided circle for these two positions ought to be 90 degrees; this however is never the case as may be seen in the observation given below as an example. Whether this difference is due to a shifting of the pivot in its hole, to imperfect elimination of eccentricity or to a strain to which the axis is subjected by unequal support of the coil's weight by the two supporting rods, cannot be made out in consequence of the impossibility of reversing the axis and of trying the divisions over an arc of more than 90 degrees.

The galvanometer needle is composed of four horse-shoe magnets, the neutral parts being attached to the axis about which the needle swings, in such a manner that two ends swing above the coil, four within the space enclosed by the wires, and two below the windings of the galvanometer.

The galvanometer can be turned as a whole on a conical axis, thus allowing of symmetry of the windings and that of the magnetic axis being altered in any desired degree; this is accomplished by means of a small mirror attached to the galvanometer, which gives an image of the glass scale in the same position by which the elongations are observed.

The series of determinations of the logarithmic decrements for different angles between the plane of symmetry and the magnetic axis, given in Table III, has been made according to the method indicated by Mr. *Chwolson*, with a view of calculating the constants of the damping function and to verify the theoretical deductions made by this gentleman. For further details about the method of observing and calculating the decrements and of reducing the values, the reader is referred to Mr. *Chwolson's* paper.

In order to obtain elongations of the same amplitude, on either side of the zero-position, a very feeble current, reversible by means of a commutator, can be sent through the windings of the galvanometer. The Napierian decrements in the last column of Table III are those that would have been obtained if the elongations had been infinitely small. The calculation of the damping function with the data obtained for the logarithmic decrements did not give however good results in so far that a considerable discrepancy remained when the dip was determined by Prof. *Wild's* method and by elongations obtained in horizontal and vertical positions of the coil, substituted in Mr. *Chwolson's* formulae (§ 34 form. 84 and 85).

This however does not impair the value of these formulae, because the position of the needle varies greatly when the galvanometer is turned on its axis, thus showing that either the windings or the frame are by no means free from magnetic matter. Notwithstanding this failure I thought it of some interest to give the observed decrements because they clearly show the efficiency of the method, advocated by Messrs. *Chwolson* and *Schering*, of making the plane of symmetry of the windings coincide with the plane of the magnetic meridian. In consequence of this variation of the zero-position of the needle it was found necessary to bring it back to its normal position by turning the telescope till the cross-wire of the telescope again coincided with the division 30 or there about.

The accuracy which may be obtained in determining the dip is not yet sufficiently investigated. The number of the windings of the coil and therefore the total surface enclosed by the windings is unknown, owing to which reason it is not possible theoretically to calculate the impulsive force to which the needle is subjected when the coil is turned. From the example of an observation, given in Table II, it appears, that an angle of about 1200 minutes of arc of the coil corresponds with an elongation of

$$a + b = 346.28 \text{ scale divisions}$$

or a variation of one minute of arc in the dip with about 0.3 divisions. On taking the mean of five elongations after their having attained their maximum value an accuracy of 0.3 is certainly obtained and it would appear therefore that the error in determining the dip will not be more than one minute of arc. Determinations made on the same day with a view of comparing the diurnal variation of the dip with that deduced from the records of the magnetograph showed however discrepancies larger than one minute, which I am, as yet, unable to explain.

Owing to this reason the observations made with this instrument have not been employed in reducing the magnetograph records, but, as in former years, the dip-values obtained by means of the dip-circle have been used for this purpose. The average value of 38 determinations of the dip made with the *Erd-inductor*, during the months January till June 1887, as compared with synchronous observations by means of the dip-circle, show a difference of 2.17 minutes of arc, the former value being larger than the latter.

This result, however, is given under reserve till by further investigation of the instrument, the cause of the discrepancy mentioned has been found, and, if possible, eliminated.

The resistance of the coil is 0.636, of the connecting wires 0.067, of the windings of the galvanometer 0.501 ohms.

(¹) Jahrb. der K. Ung. Centralanstalt für Met. Bd. IV, 1874, etc. Nederl. Meteor. Jaarb. 1876, I, etc.

(²) Mém. de l'Acad. Imp. d. sc. de St. Petersburg T. XXVI. No. 8.

(³) Clerk Maxwell, Electr. and Magn. 1st ed. art. 741.

(⁴) Wild, Bull. de l'Acad. Imp. de St. Petersburg 1881.

(⁵) Schering, Tagebl. Naturf. Vers. in Cassel 1878; Nachr. Kön. Ges. d. Wiss. zu Göttingen 1882, No. 12.

(⁶) Ann. d. Phys. u. Chem. Neue Folge Bd. IX. Mém. d. l'Acad. Imp. de St. Petersburg, T. XXVI, No. 14; T. XXVIII, No. 3.

TABLE I. — Readings of the microscopes in different positions of the coil.

Index.	Microscopes		Differences.
	Left.	Right.	
Vert. 4° 30'	— 4' 34.25	— 6' 31.50	+ 1' 57.25
10	— 3 16.25	— 5 4.00	+ 1 47.75
15	+ 1 23.25	— 0 3.25	+ 1 26.50
20	+ 1 12.75	— 0 6.75	+ 1 19.50
25	+ 1 15.25	+ 1 1.50	+ 1 13.75
30	+ 1 12.50	+ 0 2.50	+ 1 10.00
35	+ 1 8.75	— 0 13.50	+ 1 22.25
40	+ 1 20.75	+ 0 3.75	+ 1 17.00
45	+ 1 23.50	+ 0 8.75	+ 1 14.75
50	+ 1 1.75	+ 0 3.25	+ 0 58.50
55	+ 1 37.50	— 0 6.25	+ 1 43.75
60	+ 2 16.00	— 0 11.50	+ 2 27.50
65	+ 2 7.75	— 0 24.75	+ 2 32.50
70	+ 1 51.75	— 0 10.00	+ 2 1.75
75	+ 1 52.50	+ 0 18.50	+ 1 34.00
80	+ 0 57.00	— 0 13.50	+ 1 10.50
85	+ 1 13.00	+ 0 6.25	+ 1 6.75
90	+ 0 45.75	— 0 25.50	+ 1 11.25
Horiz. 94-30	— 5 47.50	— 6 40.00	+ 0 52.50
Horiz.—Vert.	89°58'46".75	89°59'51".50	

TABLE II. — Determination of the magnetic Dip on August 13, 1887.

Coil vert.,	reading of circle	4°19'59".75	4°18' 9".00
Coil hor.	» » »	94°18'49".57	94°18'18".07
Coil first pos.	» » »	56° 1'33".50	55°59'54".50
Coil second pos.	» » »	76° 1' 0".50	75°59'36".10
Mean reading, vert. position		4°19' 4".38	
» » hor. »		94°18'33".80	
Average		94°18'49".10 = 94° 18'.82	
Mean reading first position		56° 0'44".00 = 56° 0'.73	
» » second »		76° 0'18".30	
Difference		19°59'34".30 = 1199'.57 = a	
Elongations, method of multiplication in scale divisions.			
First position.		Second position.	
12 ^h 12 ^m — 12 ^h 25 ^m p. m.		12 ^h 30 ^m — 12 ^h 43 ^m p. m.	
360.4	259.8 100.6	282.2	383.2 101.0
394.2	242.7 151.5	248.9	401.2 152.3
403.8	237.8 166.0	238.3	406.6 168.3
407.2	235.9 171.3	235.7	408.0 172.3
407.5	235.3 172.2	234.1	408.1 174.0
407.7	235.5 172.2	234.1	408.1 174.0
407.5	235.6 171.9	233.9	408.1 174.2
408.1	236.3 171.8	233.5	408.0 174.5
408.0	335.8 172.2	233.4	408.1 174.7
408.0	236.4 171.6	233.6	407.9 174.3
	171.94 = b		174.34 = c
	a × b = 595'.63 = 9°55'.63		
	b + c		
	first position = 56° 0'.73		
		65°56'.36	
		94°18'.82	
		Dip = 28°22'.46	

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TABLE III

	Common logarithmic decrements.				Scale readings of		Angle in parts of radius between Galv and Needle.	Napierian logarithmic decrements.
	Large elongations.		Small elongations.					
	First deviation		First deviation					
	positive.	negative.	positive.	negative.				
I	0.23558	0.27627	0.23553	0.26385	0.2	296.6	— 0.05301	0.56848
II	0.23628	0.28585	0.23881	0.27370	60.9	302.7	— 0.04329	0.58524
III	0.24118	0.29499	0.24945	0.28017	119.4	306.4	— 0.03352	0.60791
IV	0.25069	0.30225	0.26266	0.29348	179.2	296.9	— 0.02111	0.64174
V	0.26207	0.29682	0.27076	0.30500	240.8	303.8	— 0.01129	
VI	0.27743	0.27662	0.28690	0.29701	300.7	298.7	+ 0.00000	
VII	0.29266	0.25434	0.30022	0.27420	361.3	303.7	+ 0.00000	0.67402
VIII	0.30014	0.23638	0.29925	0.24836	421.1	302.1	+ 0.02135	0.63583
IX	0.29407	0.22655	0.28390	0.23482	477.3	303.5	+ 0.03116	0.59627
X	0.27820	0.22026	0.26149	0.22497	533.9	302.9	+ 0.04138	0.55348
XI	0.26098	0.21716	0.24630	0.21987	601.0	300.5	+ 0.05371	0.52974

Distance between division 30 of scale and mirror of galvanometer = 2785.4 scale divisions.

Distance between » » » » » » » of needle = 2829.0 » »

Common logarithmic decrement when the circuit is opened = 0.02096.

Time of vibration = 30 seconds.

Deviation caused by one degree torsion = 4.2 scale divisions.

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